Deliverable D1.2 ESRs definition and advertisement

Project	**CLARIFY – Cloud ARtificial Intelligence For pathologY**
Grant Agreement ID:	**860627**
Consortium coordinator:	**UNIVERSITAT POLITECNICA DE VALENCIA**
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Dissemination level	
X	PU = Public
	PP = Restricted to other programme participants (including the EC)
	RE = Restricted to a group specified by the consortium (including the EC)
	CO = Confidential, only for members of the consortium (including the EC)

European Commission

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CHANGE REGISTER

Version	Date	Author	Organisation	Changes
A_DRAFT	26-Dec-2019	Sandra Morales	UPV	First version
	27-Dec-2019	Charo Penadés	INCLIVA	INCLIVA contribution
	07-Jan-2020	Russel Wolff	UiS	UiS contribution
	07-Jan-2020	Zhiming Zhao	UvA	UvA contribution
	07-Jan-2020	Emiel Janssen	SUH	SUH contribution
	08-Jan-2020	Tahlita Zuiverloon	EMC	EMC contribution
	09-Jan-2020	Javier Mateos	UGR	UGR contribution
	10-Jan-2020	Russel Wolff	bY	bY contribution
	10-Jan-2020	Javier Oliver	TY	TY contribution
A	13-Jan-2020	Valery Naranjo	UPV	Comments to the previous version

Statement of independence

The work described in this document is genuinely a result of efforts pertaining to the CLARIFY project: any external source is properly referenced.

Confirmation by Authors: Sandra Morales UPV

Abbreviations

DoA Description of Action

ESR Early Stage Researcher

Table of Contents

1 Executive summary

This document describes the process of ESR definition and advertisement. Deliverable 1.2 is under the Task T1.1: Project planning, execution, and reporting, within the DoA of the CLARIFY project.

The purpose of this report is to summarize all the actions done for announcing the ESR positions.

2 Introduction

Deliverable 1.2 provides the definition of the ESRs positions and details the different advertisements. The general goal was to advertise and publish the vacancies internationally, as widely as possible, in order to follow an open, transparent, impartial and equitable and merit-based recruitment procedure.

The process of dissemination of vacancies was as follows:

- Advertisements on the EURAXESS portal.
- Advertisements on the project website, both in the news section and in a specific section for it.
- Advertisements on other websites such as institutional or company websites, among others.
- Ads on social networks, both in the profiles of the project and in the profiles of the beneficiaries.

3 Euraxess

Euraxess is the main public platform for dissemination of the ESR positions. As a network of more than five hundred Service Centres that help researchers and their family to plan and organize their move to a foreign country in 40 European countries, Euraxess is the most appropriate way to hire the best professionals.

The 12 ERS positions have been announced in two different ways:

3.1 General call

As a first step, a general call was published to draw attention before the announcement of each of the beneficiaries and to keep together all the CLARIFY advertisements.

The link to this general call is the following: https://euraxess.ec.europa.eu/jobs/469494

04/12/2019 Marie Curie Actions

12 Early Stage Researcher (ESR) positions in Digital Pathology

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Universitat Politècnica de València	LOCATION	Multiple locations, see work locations below.
RESEARCH FIELD	Computer science Medical sciences › Medicine	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 00:00 - Europe/Brussels	HOURS PER WEEK	40
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Applications are invited for full-time Early Stage Researcher/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "**CLARIFY – CLoud ARtificial Intelligence For pathologY**", Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu.

The CLARIFY project comprises **12 positions** in i) **artificial intelligence**, ii) **cloud computing**, and iii) **clinical pathology**.

- ESR1 and ESR2 - Universiteit Van Amsterdam, Science Faculty (Amsterdam, Netherlands)
- ESR3 - bitYoga AS (Stavanger, Norway)
- ESR4 and ESR5 - University of Stavanger, Dept of Electrical Engineering and Computer Science (Stavanger, Norway)
- ESR6 and ESR7 - Universitat Politècnica de València, Institute for Research and Innovation in Bioengineering (Valencia, Spain)
- ESR8 - Universidad de Granada, Research Center on Information and Communication Technologies (Granada, Spain)
- ESR9 - Tyris Software S.L. (Valencia, Spain)
- ESR10 - Erasmus Medisch Centrum Rotterdam, Department of Urology (Rotterdam, Netherlands)
- ESR11 - Helse Stavanger HF, Department of Pathology (Stavanger, Norway)
- ESR12 - Fundación para La Investigación del Hospital Clínico de la Comunitat Valenciana, Anatomic Pathology Department, University Clinic Hospital (Valencia, Spain)

Advertisements for each ESR position are also published on Euraxess as well as on www.clarify-project.eu. Please, refer to these advertisements for specific application details.

Note that **candidates can apply to a maximum of three CLARIFY's positions** and should rank them based on their preferences. This information must be included in all application forms.

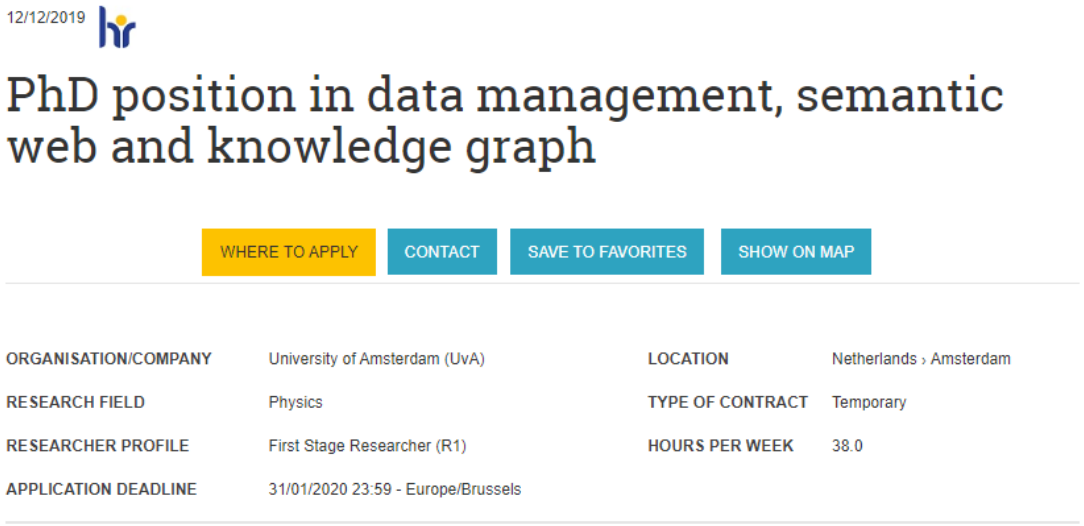
ADDITIONAL INFORMATION +

3.2 Individual calls

Each beneficiary was responsible for posting the announcement of their ESR. The information contained in all the advertisements is included in Appendix A.

3.4.1 UvA

ESR1: https://euraxess.ec.europa.eu/jobs/472547


12/12/2019

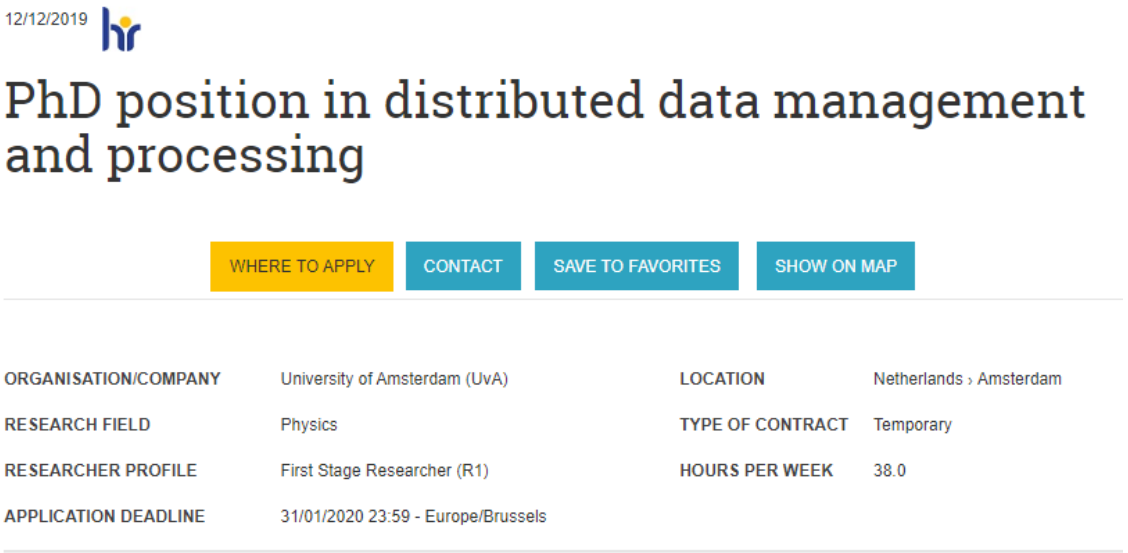
PhD position in data management, semantic web and knowledge graph

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	University of Amsterdam (UvA)	LOCATION	Netherlands › Amsterdam
RESEARCH FIELD	Physics	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	HOURS PER WEEK	38.0
APPLICATION DEADLINE	31/01/2020 23:59 - Europe/Brussels		

Fig. 1 ESR 1 ads on Euraxess.

ESR2: https://euraxess.ec.europa.eu/jobs/472543


12/12/2019

PhD position in distributed data management and processing

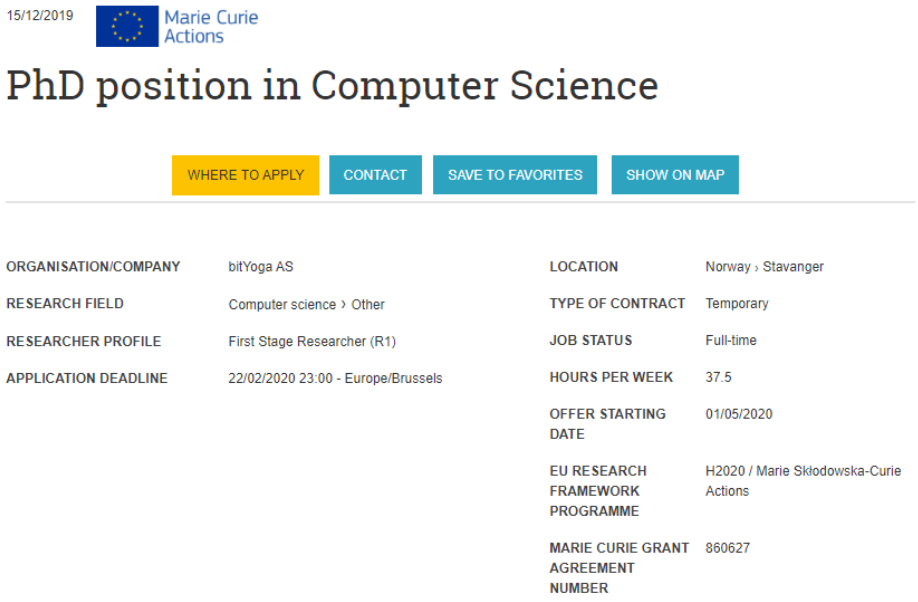
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	University of Amsterdam (UvA)	LOCATION	Netherlands › Amsterdam
RESEARCH FIELD	Physics	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	HOURS PER WEEK	38.0
APPLICATION DEADLINE	31/01/2020 23:59 - Europe/Brussels		

Fig. 2 ESR 2 ads on Euraxess.

3.4.2 bY

ESR3: https://euraxess.ec.europa.eu/jobs/473158


15/12/2019 Marie Curie Actions

PhD position in Computer Science

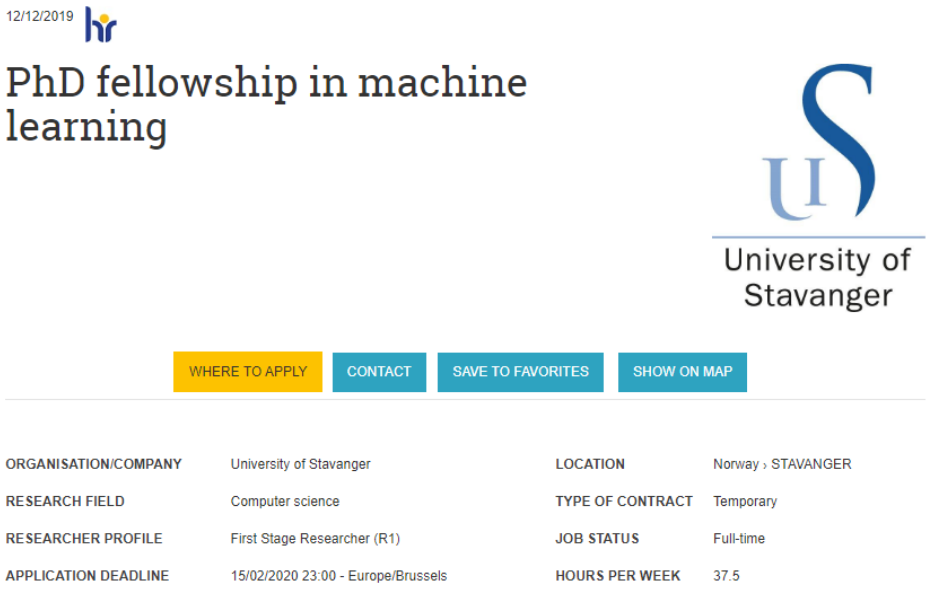
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	bitYoga AS	LOCATION	Norway › Stavanger
RESEARCH FIELD	Computer science › Other	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	22/02/2020 23:00 - Europe/Brussels	HOURS PER WEEK	37.5
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 3 ESR 3 ads on Euraxess.

3.4.3 UiS

ESR4: https://euraxess.ec.europa.eu/jobs/472490


12/12/2019

PhD fellowship in machine learning

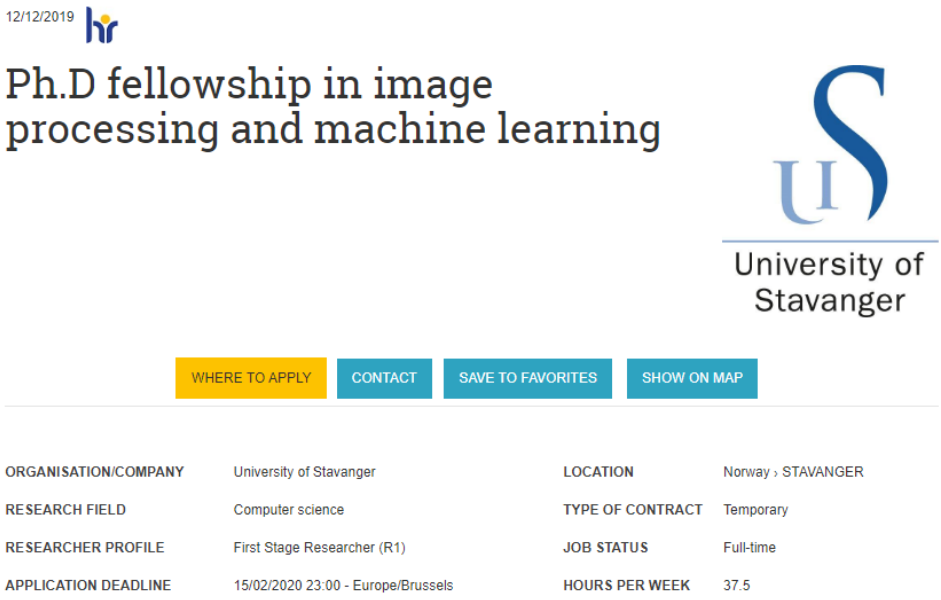
University of Stavanger

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	University of Stavanger	LOCATION	Norway › STAVANGER
RESEARCH FIELD	Computer science	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 23:00 - Europe/Brussels	HOURS PER WEEK	37.5

Fig. 4 ESR 4 ads on Euraxess.

ESR5: https://euraxess.ec.europa.eu/jobs/472489



12/12/2019

Ph.D fellowship in image processing and machine learning

University of Stavanger

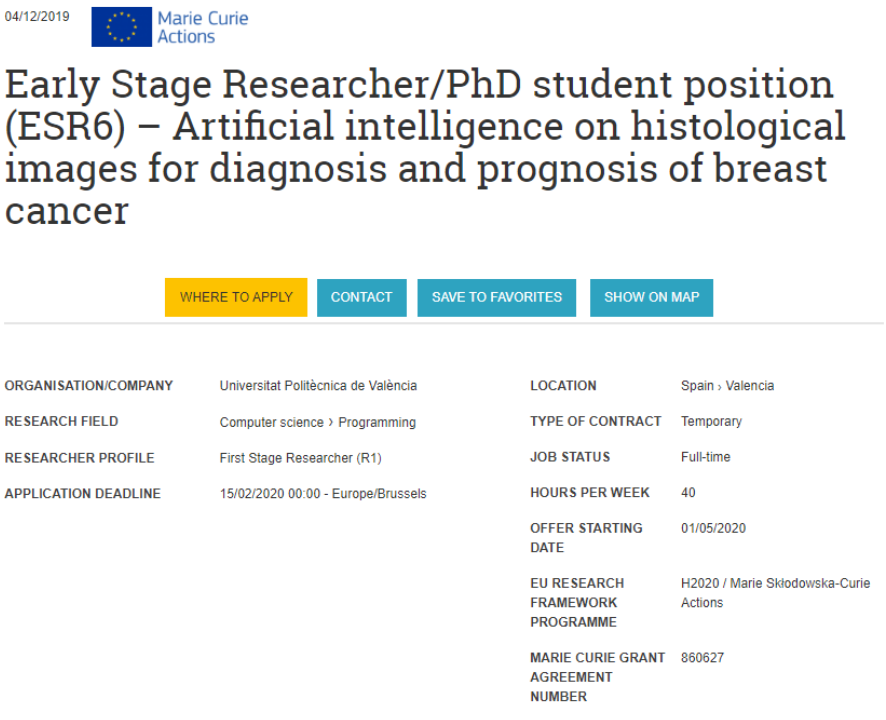
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	University of Stavanger	LOCATION	Norway › STAVANGER
RESEARCH FIELD	Computer science	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 23:00 - Europe/Brussels	HOURS PER WEEK	37.5

Fig. 5 ESR 5 ads on Euraxess.

3.4.4 UPV

ESR6: https://euraxess.ec.europa.eu/jobs/469509



04/12/2019

Marie Curie Actions

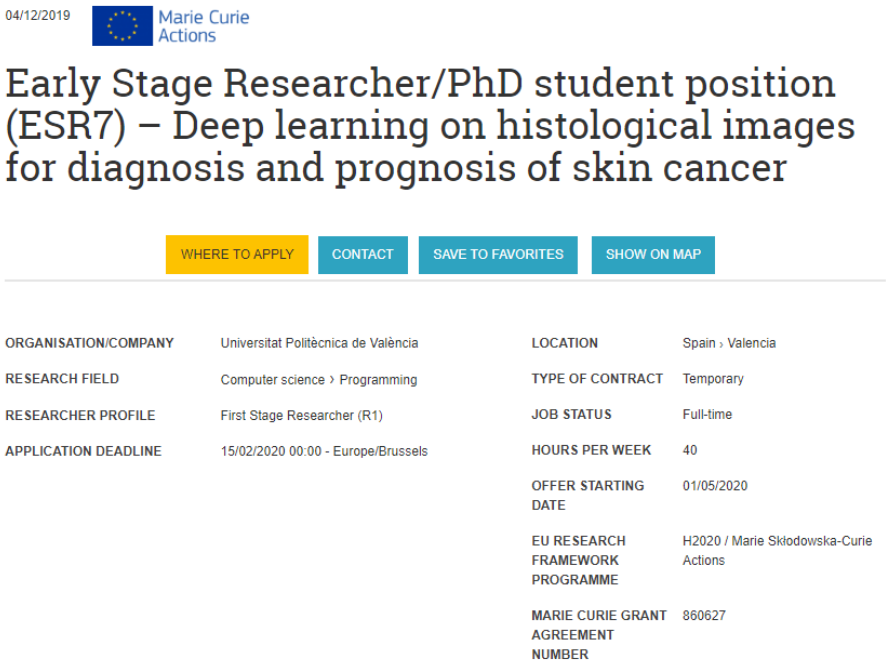
Early Stage Researcher/PhD student position (ESR6) – Artificial intelligence on histological images for diagnosis and prognosis of breast cancer

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Universitat Politècnica de València	LOCATION	Spain › Valencia
RESEARCH FIELD	Computer science › Programming	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 00:00 - Europe/Brussels	HOURS PER WEEK	40
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 6 ESR 6 ads on Euraxess.

ESR7: https://euraxess.ec.europa.eu/jobs/469519



04/12/2019 Marie Curie Actions

Early Stage Researcher/PhD student position (ESR7) – Deep learning on histological images for diagnosis and prognosis of skin cancer

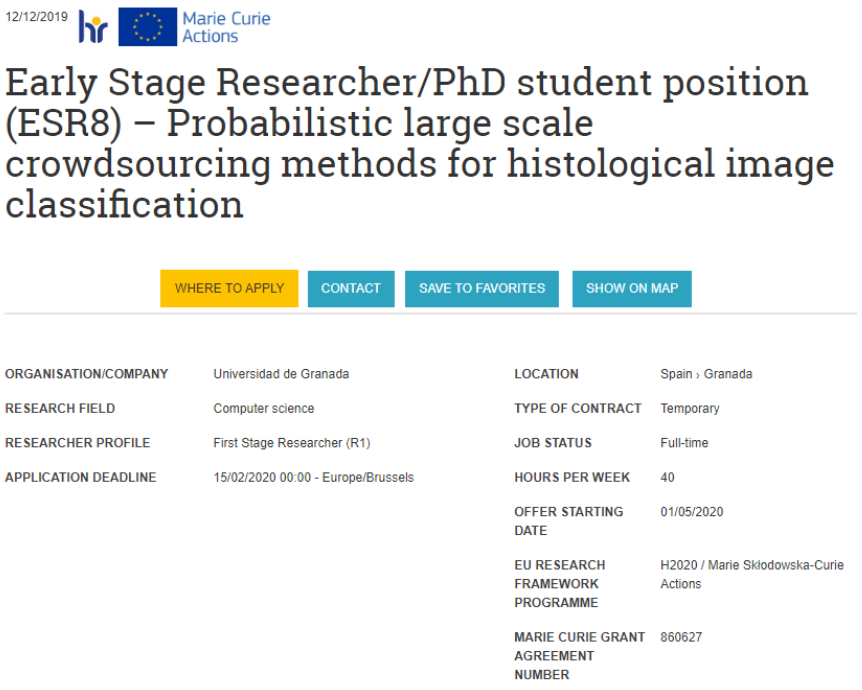
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Universitat Politècnica de València	LOCATION	Spain › Valencia
RESEARCH FIELD	Computer science › Programming	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 00:00 - Europe/Brussels	HOURS PER WEEK	40
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 7 ESR 7 ads on Euraxess.

3.4.5 UGR

ESR8: https://euraxess.ec.europa.eu/jobs/472319



12/12/2019 Marie Curie Actions

Early Stage Researcher/PhD student position (ESR8) – Probabilistic large scale crowdsourcing methods for histological image classification

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Universidad de Granada	LOCATION	Spain › Granada
RESEARCH FIELD	Computer science	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 00:00 - Europe/Brussels	HOURS PER WEEK	40
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 8 ESR 8 ads on Euraxess.

3.4.6 TY

ESR9: https://euraxess.ec.europa.eu/jobs/474833


19/12/2019 Marie Curie Actions

Early Stage Researcher/PhD student position (ESR9) – Development of a cloud-based platform for histological image retrieval

tyris SOFTWARE .Ai .Bi .Tech

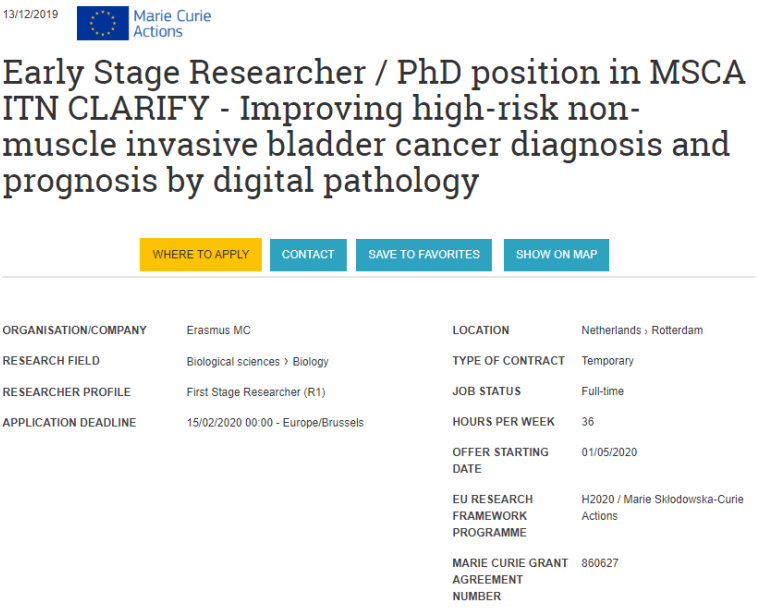
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Tyris Software	LOCATION	Spain › Valencia
RESEARCH FIELD	Engineering › Biomedical engineering Engineering › Computer engineering	TYPE OF CONTRACT	Temporary
		JOB STATUS	Full-time
RESEARCHER PROFILE	First Stage Researcher (R1)	HOURS PER WEEK	40
APPLICATION DEADLINE	15/02/2020 23:00 - Europe/Brussels	OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 9 ESR 9 ads on Euraxess.

3.4.7 EMC

ESR10: https://euraxess.ec.europa.eu/jobs/472775


13/12/2019 Marie Curie Actions

Early Stage Researcher / PhD position in MSCA ITN CLARIFY - Improving high-risk non-muscle invasive bladder cancer diagnosis and prognosis by digital pathology

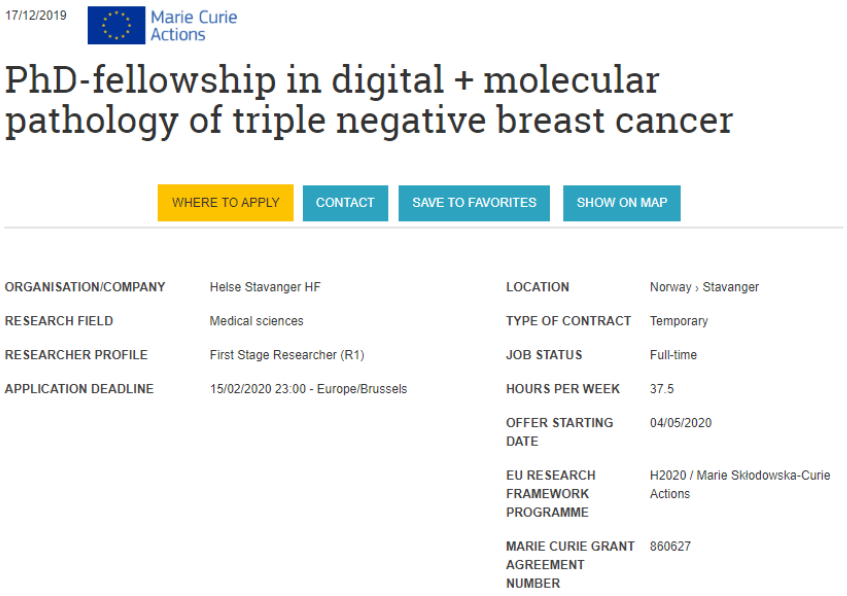
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Erasmus MC	LOCATION	Netherlands › Rotterdam
RESEARCH FIELD	Biological sciences › Biology	TYPE OF CONTRACT	Temporary
		JOB STATUS	Full-time
RESEARCHER PROFILE	First Stage Researcher (R1)	HOURS PER WEEK	36
APPLICATION DEADLINE	15/02/2020 00:00 - Europe/Brussels	OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 10 ESR 10 ads on Euraxess.

3.4.8 SUH

ESR11: https://euraxess.ec.europa.eu/jobs/473638


17/12/2019 Marie Curie Actions

PhD-fellowship in digital + molecular pathology of triple negative breast cancer

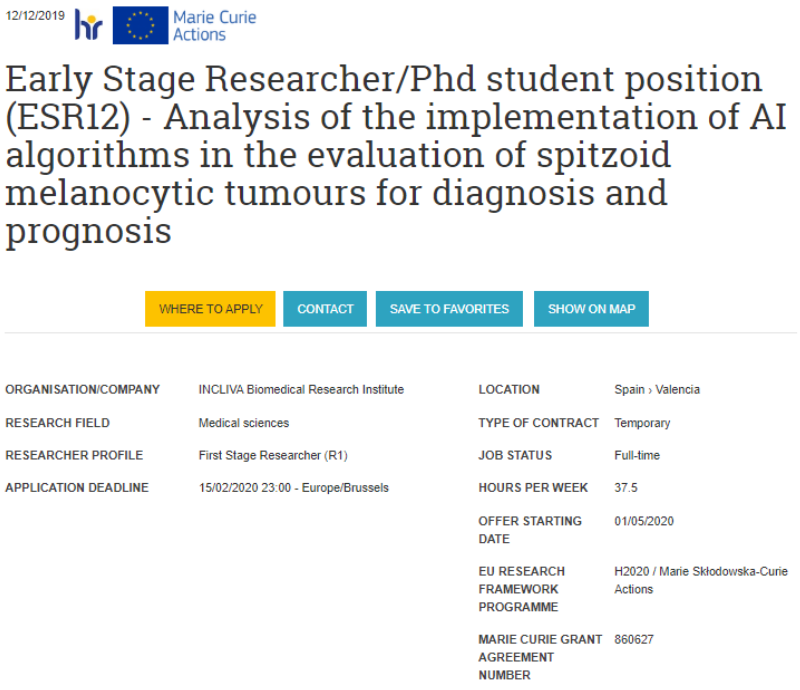
WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	Helse Stavanger HF	LOCATION	Norway › Stavanger
RESEARCH FIELD	Medical sciences	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 23:00 - Europe/Brussels	HOURS PER WEEK	37.5
		OFFER STARTING DATE	04/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 11 ESR 11 ads on Euraxess.

3.4.9 INCLIVA

ESR12: https://euraxess.ec.europa.eu/jobs/472333


12/12/2019 Marie Curie Actions

Early Stage Researcher/Phd student position (ESR12) - Analysis of the implementation of AI algorithms in the evaluation of spitzoid melanocytic tumours for diagnosis and prognosis

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY	INCLIVA Biomedical Research Institute	LOCATION	Spain › Valencia
RESEARCH FIELD	Medical sciences	TYPE OF CONTRACT	Temporary
RESEARCHER PROFILE	First Stage Researcher (R1)	JOB STATUS	Full-time
APPLICATION DEADLINE	15/02/2020 23:00 - Europe/Brussels	HOURS PER WEEK	37.5
		OFFER STARTING DATE	01/05/2020
		EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
		MARIE CURIE GRANT AGREEMENT NUMBER	860627

Fig. 12 ESR 12 ads on Euraxess.

4 CLARIFY website

Information about CLARIFY positions appears in different sections of the CLARIFY website.

4.1 Cover image

A short message about the availability of the CLARIFY positions appears on the cover image of the website (Fig. 13). It links to the News section where more information is provided.

Fig. 13 Cover image of CLARIFY website with information about positions.

4.2 News Sections

In this section, a piece of news related to the ESR positions is published and it invites applicants to visit the EURAXESS portal and the Researchers section for more information (Fig. 14). The EURAXESS link goes to the general call where the information of all positions is available.

Fig. 14 News about CLARIFY's positions.

4.3 Researchers Section

CLARIFY website has a specific section for the Early Stage Researchers positions. It includes a short description of the positions, the eligibility criteria and instructions about the maximum number of CLARIFY positions that can be applied in addition to links to the EURAXESS advertisements of each CLARIFY vacancy. See Fig. 15 and 16.

Fig. 15. General information provided in Researchers section about the recruitment process.

Fig. 16. List of CLARIFY's positions with links to EURAXESS advertisements.

5 Other websites

5.1 UPV

UPV published an announcement for ESR6 and ESR7 on CVBLab website (Fig. 17). CVBLab is the research group, belonging to the Instituto de Investigación e Innovación en Bioingeniería (I3B) from the Universitat Politècnica de València, headed by Prof. Dr. Valery Naranjo, the principal investigator and coordinator of CLARIFY project.

The announcement appears on the home page of CVBLab website (www.i3b.upv.es/cvblab) as well as on the page dedicated to CLARIFY project (http://www.cvblab.webs.upv.es/project/clarify_en/). See Fig. 17.

Fig. 17. Announcement posted on CVBLab-UPV institutional website.

5.2 UiS

UiS published an announcement for ESR4 and ESR5 on the UiS website. The position appears on the main website uis.no under vacant positions (https://www.uis.no/job-opportunities/vacant-positions/) and links to the description in jobbnorge.no (https://www.jobbnorge.no/en/available-jobs/job/177390/phd-fellowship-in-machine-learning and https://www.jobbnorge.no/en/available-jobs/job/178700/phd-fellowship-in-image-processing-and-machine-learning). See Fig. 18 and 19.

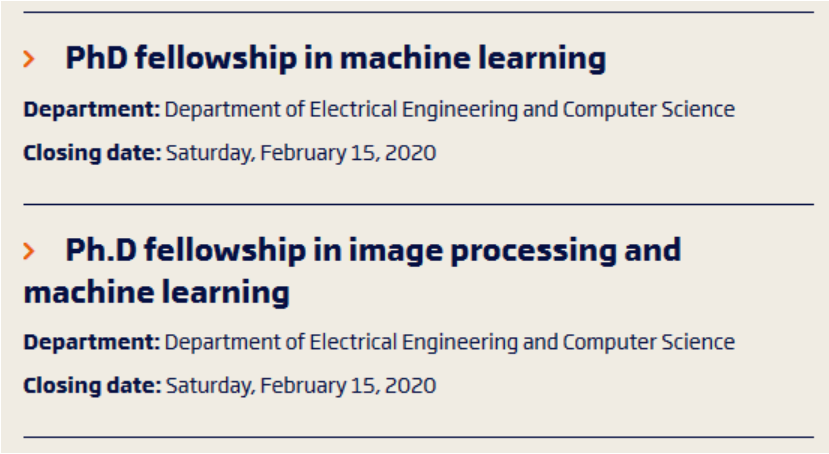


Fig. 18. Announcements posted on UiS institutional website.

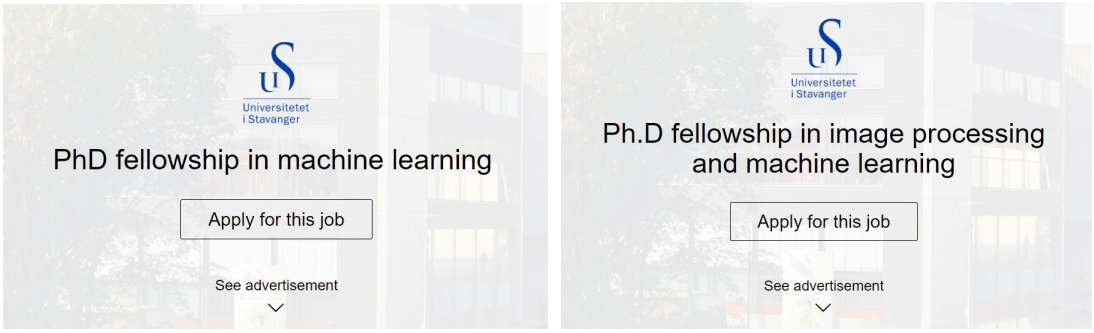


Fig. 19. Announcements posted on jobbnorge.no.

5.3 UvA

University of Amsterdam (UvA) defined ESR1 and ESR2 positions and published them online on the vacancies section of their institutional webpage (https://www.uva.nl/en/about-the-uva/working-at-the-uva/vacancies/vacancies.html) as shown in Fig. 20. Visit the following links to see directly the advertisements for the ESR1 and ESR2 positions:

- ESR1: https://www.uva.nl/en/content/vacancies/2019/12/19-844-phd-position-in-data-management-semantic-web-and-knowledge-graph.html?origin=dxuSI3bDRY2CW7N9J3yPlw
- ESR2: https://www.uva.nl/en/content/vacancies/2019/12/19-843-phd-position-in-distributed-data-management-and-processing.html?origin=dxuSI3bDRY2CW7N9J3yPlw).

Fig. 20. Announcement posted on UvA institutional website.

5.4 UGR

UGR published an announcement for ESR8 position on the webpage of the Visual Information Processing Group (VIPG) (http://decsai.ugr.es/vip/). VIPG consists of members of the Department of Computer Science and Artificial Intelligence and the Software Engineering Department at the University of Granada and the Departament of Informatics at the University of Jaén. Dr. Rafael Molina, the main researcher of UGR in the CLARIFY project, is one of the founders members of VIPG. See Fig. 21.

Fig. 21. Announcement posted on VIPG-UGR institutional website.

Moreover, ESR8 vacancy was also advertised by means of a Computer Vision and Machine Learning e-Mailing List (https://lists.auth.gr/sympa/info/cvml). The e-mail that was sent is shown in Fig. 22.

[CVML] [Jobs] ESR/PhD position at Universidad de Granada: Probabilistic large scale crowdsourcing met...

cvml-request@lists.auth.gr en nombre de Clarify <clarify@decsai.ugr

Responder | Responder a todos | Reenviar | ...

Para cvml@lists.auth.gr

ju. 12/12/2019 18:29

ATT00001.txt
1 KB

Candidates are invited for a full-time **Early Stage Researcher (ESR)/PhD student position** within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "CLARIFY – CLoud ARtificial Intelligence For pathologY". CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu.

We offer a **full-time 3-year contract with a highly competitive and attractive salary** according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers. The ESR will have his/her main workplace at the **Universidad de Granada (Granada, Spain)** but mandatory secondment periods at different partner institutions are also required.

Objectives:

To develop **probabilistic classification models based on crowdsourcing techniques**. ESR will 1) investigate crowdsourcing paradigms: from early to late fusion; 2) investigate the probabilistic modelling of the problem and scalable inference approaches (methods based on Gaussian and Deep Gaussian Processes); 3) generative probabilistic deep learning based models; 4) investigate active learning and annotators' reliability; 5) develop applications to histological image classification; 6) use of handcrafted and deep learning features for classification models; 7) assess pathologists' expertise areas.

Requirements:

We are looking for engineers or scientists with strong academic background and interest in image processing, artificial intelligence, machine learning and deep learning.

Applicants must have completed a master's degree in computer science, mathematics, telecommunication engineering, electrical engineering, biomedical engineering or other relevant disciplines.

More information and application procedure can be found at https://euraxess.ec.europa.eu/jobs/472319

Fig. 22. E-mail sent to Computer Vision and Machine Learning e-Mailing List.

5.5 INCLIVA

The announcement of the ESR12 position was posted on the Jobs vacancies section at INCLIVA website (https://www.incliva.es/empleo) as shown in Fig. 23.

Jobs vacancies at INCLIVA

Résumés and lists of achievement for job calls cannot be submitted electronically. Your documentation must be presented at the INCLIVA Foundation Registry Desk (Registro de la Fundación INCLIVA, Avda. Menéndez Pelayo, 4 acc. 46010 Valencia) or sent by registered mail to the same address.

Required documentation:

1. Job application form (download-in Spanish)
2. Cover letter
3. Written and signed Demonstration of the requiements stated in the job call (download-in Spanish)
4. Curriculum vitae
5. Other relevant information (references, qualifications, etc.)

More information:

mail: rrhh@incliva.es

Phone: 961 973 532

Offer year: -- year --

Offer	Reference	Starting date	Closing date	State	Advertisement	Documents	Resolution
Técnico/a de apoyo	087/2019	13/12/2019	27/12/2019	CLOSED			
Early Stage Researcher - Pathologist (Anatomic Pathology)	086/2019	13/12/2019	15/02/2020	OPEN			

Fig. 23. Announcement posted on INCLIVA institutional website.

5.6 SUH

The department of pathology of Stavanger University Hospital announced the ESR11 position on the hospital's website as shown in Fig. 24: https://3394076700.webcruiter.no/Main/Recruit/Public/4167195221?language=NB&link_source_id=0

PhD-student

Seksjon for molekylær kvantitativ patologi, Helse Stavanger HF

Søk på stillingen

The department of pathology at the Stavanger University Hospital is the 4th largest pathology department in Norway. The department has about 70 employees and analyses ca. 35.000 histology samples, 40.000 cytology samples and offers a full forensic service. The department has a very active research group that produces ca. 15-20 peer reviewed articles a year and currently contains 5 phd students (of which 4 are pathologists) and 1 post doc. We are also in the front line for both quantitative/computational and molecular pathology.

The current position is a full-time Early Stage Researcher/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "CLARIFY – CLoud ARtificial Intelligence For pathologY", Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology.

For more information visit www.clarify-project.eu.
The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

The objectives for this postion are to study, by image analysis, histopathological patterns and features of TripleNegativeBreastCancer (TNBC), together with IHC, genetic and clinical information, in order to improve the reproducibility and prognostic value of the pathology diagnosis and classification for this subgroup of breast cancers with the worst prognostic outcome.

Søknadsfrist:	15.02.2020	Heltid / Deltid:	Heltid	Stillinger:	1
Arbeidsgiver:	Helse Stavanger HF	Ansettelsesfor...	Annet	Startdato:	04.05.2020
Sted:	Stavanger	Stillingsprosent:	100	Sluttdato:	28.04.2023
Stillingstittel:	PhD-student	Webcruiter-ID:	4167195221	Sosial deling :	

Fig. 24 Announcement posted on SUH institutional website.

The project was also published on the intranet and internet website from the Hospital (https://helse-stavanger.no/om-oss/nyheter/forskning-rekordmye-forskningsmidler-til-sus). See Fig. 25.

Samarbeid på tvers

Prosjektet er også koblet tett opp til deres EU-prosjekt CLARIFY.

Samarbeid i regionen og på tvers av sykehus er et tema som går igjen i flere av dem som har fått tildelinger.

– Helse Vest fikk inn over 200 søknader, og vi er med på en stor del av av dem i en eller annen form. Det er et uttrykk for at SUS i økende grad er en solid instans for kompetanse og forskning, avslutter Skeie.

Fig. 25 Publicity of the CLARIFY project on the SUH webpage.

Moreover, the National Network for Breast Cancer Research in Norway was contacted with a request to share the project and the announcement for the PhD-position on their website (http://breastcancerresearch.no/) as well as on their Facebook group.

5.7 EMC

ESR10 vacancy was published on an online newspaper from the Foundation Dutch Uro-Oncology Study group (DUOS), which is a multidisciplinary study group comprising 25 academic and regional hospitals in the Netherlands of which EMC is member (https://stichtingduos.nl/phd-student-vacature-bij-project-clarify/). See Fig. 26.

PhD student vacature bij Project Clarify

23 december, 2019

Het Horizon ITN CLARIFY consortium (digitale pathologie ter verbetering van de diagnostiek van onder andere blaaskanker http://www.clarify-project.eu/) zoekt een PhD student voor NL (MD/biomedicus, interesse voor urologie, pathologie, image based analysis, artificial intelligence). Eisen zijn: gekwalificeerd voor PhD opleiding, minder dan 4 jr research experience en minder dan 12 mnd in NL in afgelopen jaar gerekend vanaf ingaan contract (mei 2020). Zie voor meer informatie:

Early Stage Researcher / PhD position in MSCA ITN CLARIFY – Improving high-risk non-muscle invasive bladder cancer diagnosis and prognosis by digital pathology

Project CLARIFY: CLoud ARtificial Intelligence For pathologY

CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, to produce 12 Early Stage Researchers (ESRs) in artificial intelligence (AI), cloud computing and clinical pathology with the focus on digital pathology. CLARIFY's main goal is to develop a robust automated digital diagnostic environment based on artificial intelligence and cloud-oriented data algorithms that facilitates whole-slide-image (WSI) interpretation and diagnosis everywhere with the aim of maximizing the benefits of digital pathology and aiding pathologists in their daily work.

CLARIFY gathers relevant scientific staff from academia, industry and leading hospitals ensuring that CLARIFY's ESRs, as well as, future PhD students following the same tracks, will have outstanding Career Opportunities within the digital pathology sector and beyond. Specific and challenging cancer types have been selected to test the tools and methods developed through the project reflecting the existing variability in cancer diagnosis: High-risk non-muscle invasive bladder cancer (HR-NMIBC), Triple negative breast cancer (TNBC) and Spitzoid melanocytic lesions (SML).

Fig. 26 Announcement posted on stichtingduos.nl

This announcement was also sent to Urology Today (https://www.urotoday.com/), another online newspaper in the field, and a short story will be published on it.

Moreover, the announcement of the ESR10 on the Erasmus MC institutional webpage is pending of approval. Afterwards, it will appear on the vacancies section (https://www.werkenbijerasmusmc.nl/vacatures).

5.8 bY

bitYoga published the announcement for ESR3 on the bitYoga website. The announcement appears on the home page of bitYoga under "Career" section with a short description and link to the full posting on EURAXESS (https://bityoga.com/jobs/). See Fig. 27.


PhD position in Computer Science [Application Deadline: 22/02/2020 23:00]

This is a 100% paid trainee position that will give promising researchers an opportunity for industry driven research for solving real world problems leading to a doctoral degree. The appointment is for three years with research and software development duties exclusively.

Applications are invited for full-time Early Stage Researcher (ESR)/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "CLARIFY – CLoud ARtificial Intelligence For pathologY", Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialties: engineering and medicine, with a focus on digital pathology.

Sub-project title: "Taking computation to Data: integrating BigData and Blockchain allowing secure analysis of sensitive health data on-premise"

Read More

Fig. 27 Announcement posted on bitYoga website.

5.9 TY

TY posted the ESR9 vacancy on the company website as a highlighted item on the home page (https://tyris-software.com/) as shown in Fig. 28. In that advertisement, a link to read more about the position is provided (https://tyris-software.com/jobs-funding-marie-curie/).

Fig. 28 Announcement posted on Tyris Software website.

6 Social media

Regarding the dissemination through social media sites, two kind of actions were performed.

First, the social media profiles of the project were created and the general announcement was posted. The social media selected were Facebook, LinkedIn and Twitter.

Secondly, ESR positions were also posted on the social media profiles of the CLARIFY partners.

6.1 Facebook

The project profile in Facebook is the following: https://www.facebook.com/Clarify-Project-103163424528202

Here, the vacancies were advertised, as shown in Fig. 29.

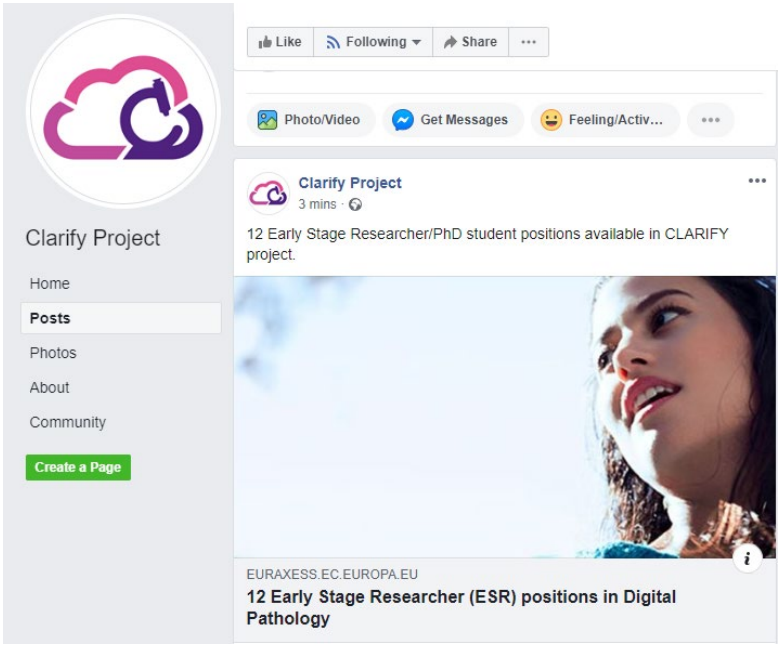


Fig. 29. Advertisement on CLARIFY's Facebook profile.

This post was shared by the partners with Facebook profile and some of them published specific posts for their positions as that shown in Fig. 30.

Fig. 30. Advertisement of CLARIFY's position on the Facebook profile of Tyris Software (ESR9).

6.2 LinkedIn

A LinkedIn group was created for CLARIFY project:
https://www.linkedin.com/groups/8876638/

The announcement for the 12 ESR vacancies is shown in Fig. 31. This post was shared by the partners with LinkedIn profile and some of them published specific posts for their positions (Fig. 32 – 38).

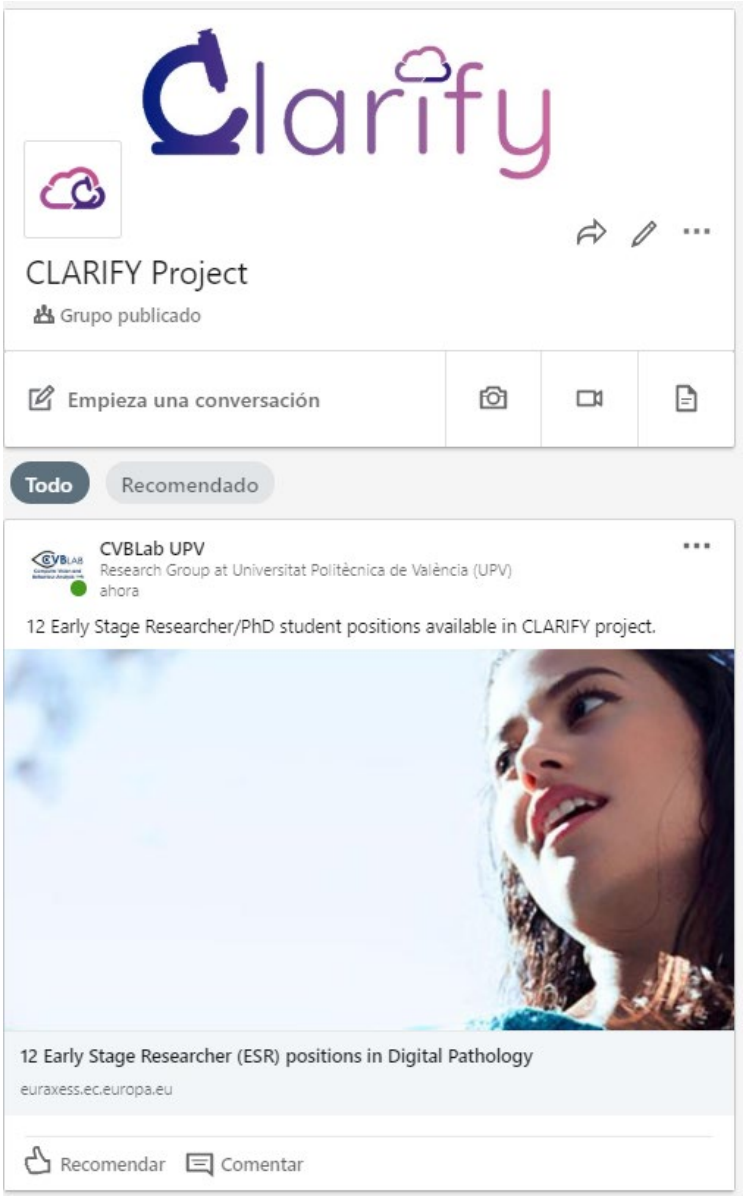


Fig. 31. Advertisement on CLARIFY's LinkedIn profile.

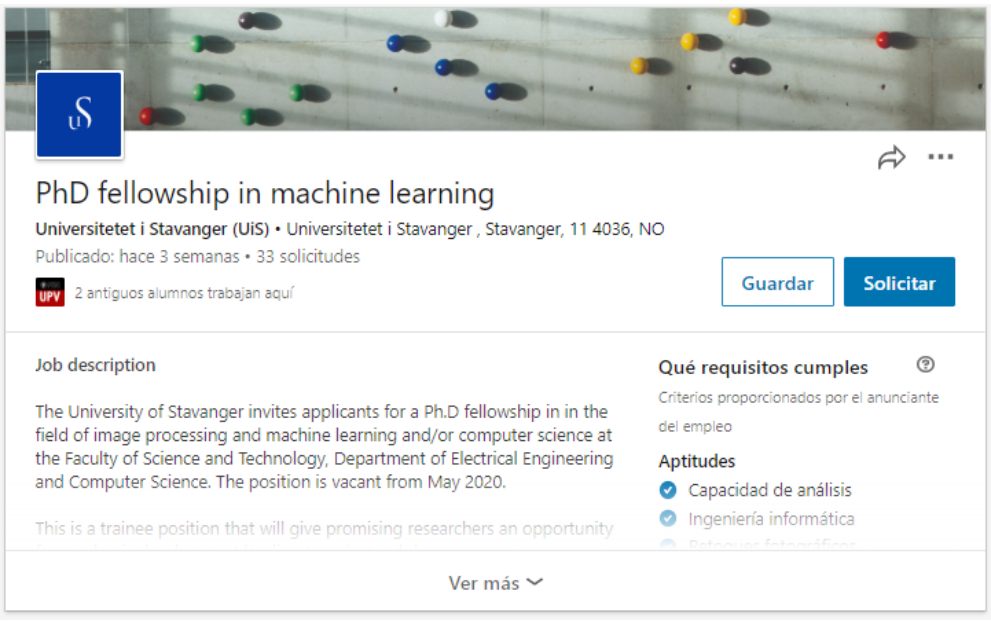


Fig. 32. Advertisement of CLARIFY's position on the LinkedIn profile of UiS (ESR4).

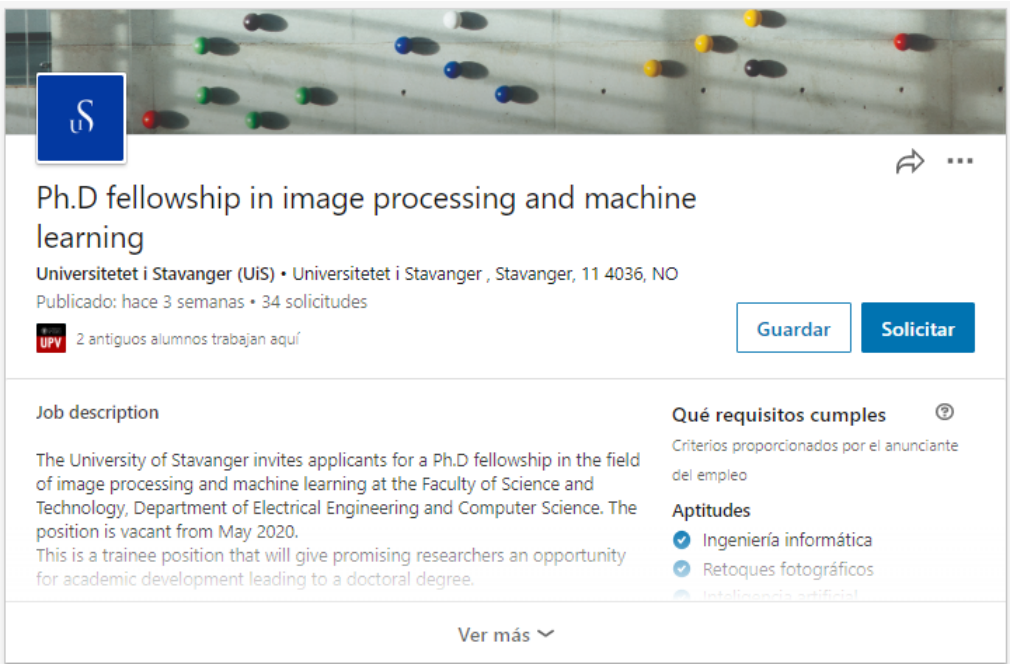


Fig. 33. Advertisement of CLARIFY's position on the LinkedIn profile of UiS (ESR5).

Fig. 34. Advertisement of CLARIFY's position on the LinkedIn profile of Emiel Janssen from SUH (ESR11).

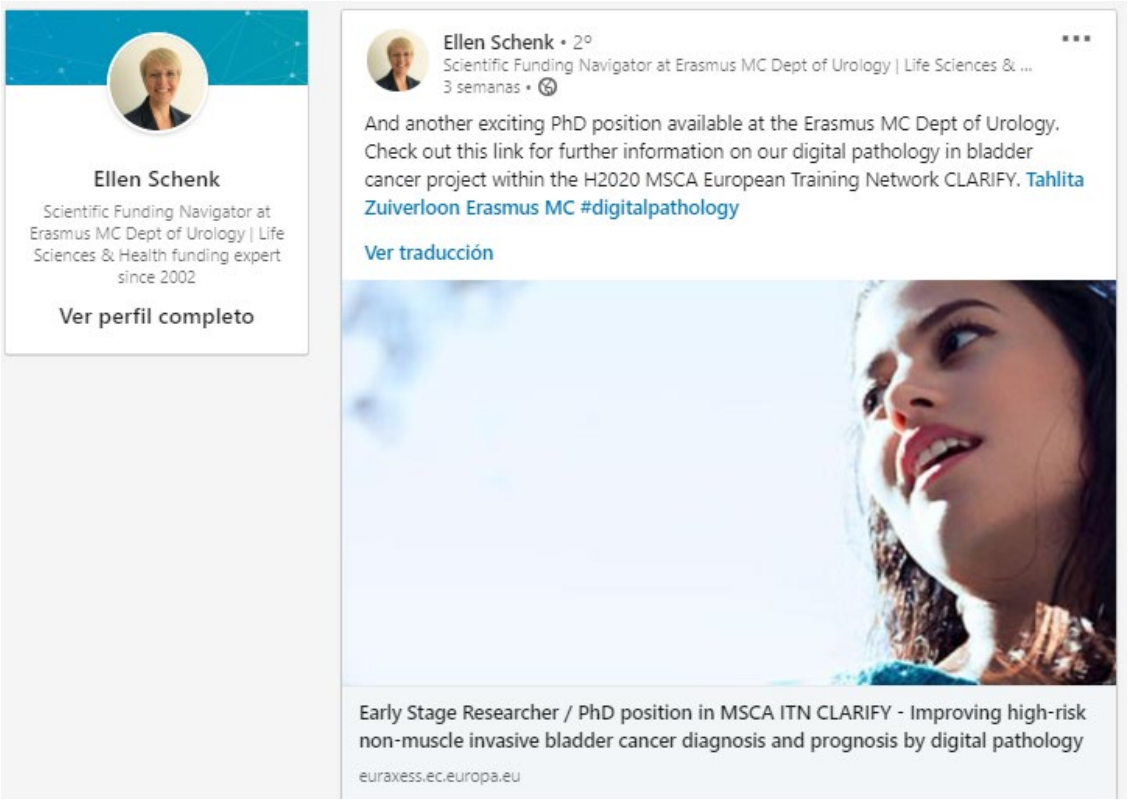


Fig. 35. Advertisement of CLARIFY's position on the LinkedIn profile of Ellen Schenk from EMC (ESR10).

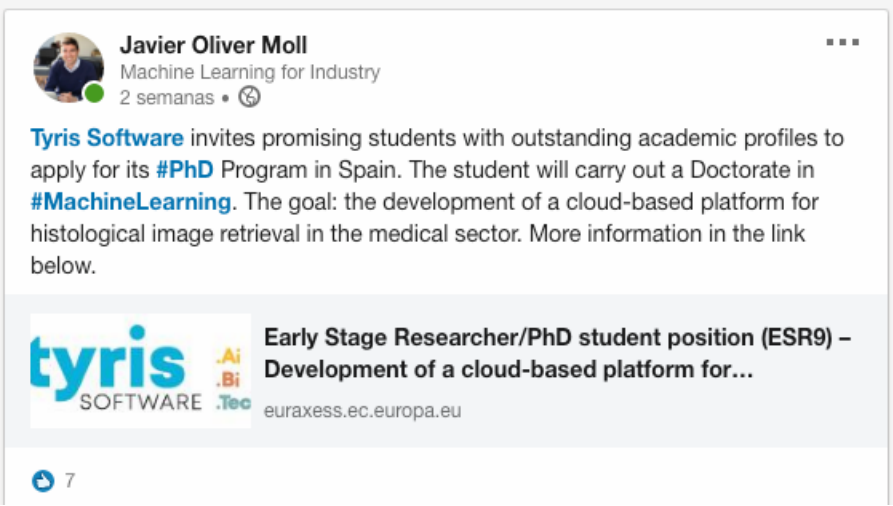


Fig. 36. Advertisement of CLARIFY's position on the LinkedIn profile of Javier Oliver from TY (ESR9).

Fig. 37. Advertisement of CLARIFY's position on the LinkedIn profile of CVBLab UPV (ESR6).

Fig. 38. Advertisement of CLARIFY's position on the LinkedIn profile of CVBLab UPV (ESR7).

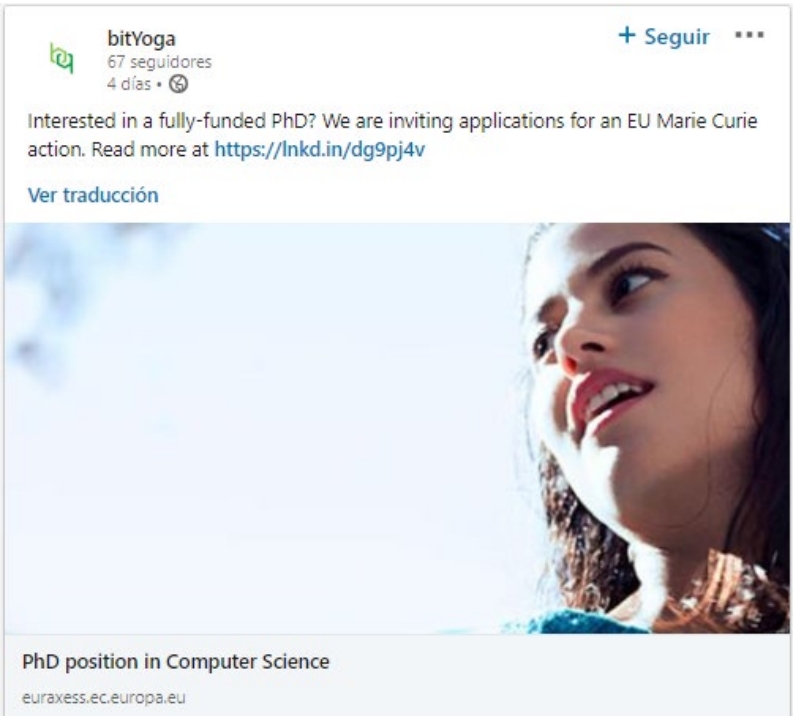


Fig. 39. Advertisement of CLARIFY's position on the LinkedIn profile of bitYoga (ESR3).

6.3 Twitter

The Twitter site of CLARIFY project is: https://twitter.com/clarify_project.

In the same way that on Facebook and LinkedIn, the vacancies were advertised with a direct link to the Euraxess portal (Fig. 40).

This post was retwitted by the partners with Twitter profile and some of them published specific posts for their positions (Fig. 41 - 43).

Fig. 40. Advertisement on CLARIFY's Twitter profile.

Fig. 41. Advertisement of CLARIFY's position on the Twitter profile of Ellen Schenk from EMC (ESR10).

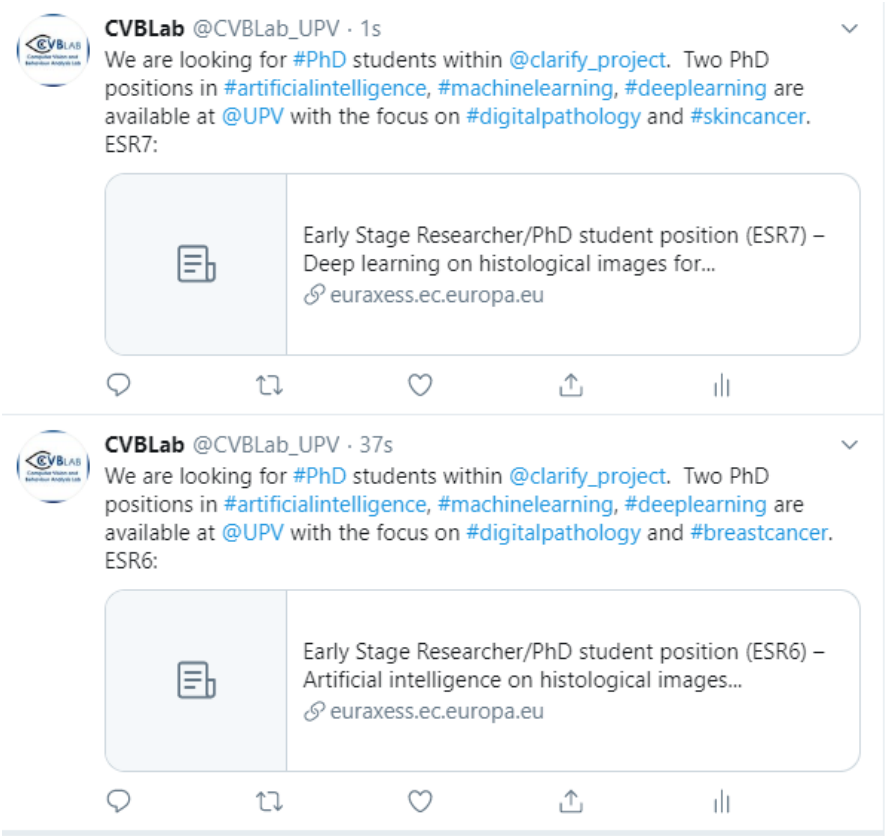


Fig. 42. Advertisement of CLARIFY's position on the Twitter profile of CVBLab - UPV (ESR6 and ESR7).

Fig. 43. Advertisement of CLARIFY's position on the Twitter profile of Tyris Software (ESR9).

Appendix A

Individual calls for CLARIFY positions posted on the EURAXESS portal:

- ESR1: PhD position in data management, semantic web and knowledge graph
- ESR2: PhD position in distributed data management and processing
- ESR3: PhD position in Computer Science
- ESR4: PhD fellowship in machine learning
- ESR5: Ph.D fellowship in image processing and machine learning
- ESR6: Early Stage Researcher/PhD student position (ESR6) – Artificial intelligence on histological images for diagnosis and prognosis of breast cancer
- ESR7: Early Stage Researcher/PhD student position (ESR7) – Deep learning on histological images for diagnosis and prognosis of skin cancer
- ESR8: Early Stage Researcher/PhD student position (ESR8) – Probabilistic large scale crowdsourcing methods for histological image classification
- ESR9: Early Stage Researcher/PhD student position (ESR9) – Development of a cloud-based platform for histological image retrieval
- ESR10: Early Stage Researcher / PhD position in MSCA ITN CLARIFY - Improving high-risk non-muscle invasive bladder cancer diagnosis and prognosis by digital pathology
- ESR11: PhD-fellowship in digital + molecular pathology of triple negative breast cancer
- ESR12: Early Stage Researcher/Phd student position (ESR12) - Analysis of the implementation of AI algorithms in the evaluation of spitzoid melanocytic tumours for diagnosis and prognosis

12/12/2019

PhD position in data management, semantic web and knowledge graph

Where to apply

Application Deadline: 31/01/2020 23:59 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
University of Amsterdam (UvA)

WEBSITE
https://www.academictransfer.com/288226/phd-position-in-data-management-seman...

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
University of Amsterdam (UvA)

ORGANISATION TYPE
Higher Education Institute

WEBSITE
http://www.uva.nl/

COUNTRY
Netherlands

CITY
Amsterdam

POSTAL CODE
1012 WX

STREET
Spui 21

ORGANISATION/COMPANY
University of Amsterdam (UvA)

RESEARCH FIELD
Physics

LOCATION
Netherlands › Amsterdam

TYPE OF CONTRACT
Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

HOURS PER WEEK
38.0

APPLICATION DEADLINE
31/01/2020 23:59 - Europe/Brussels

You are invited to apply for a full-time Early Stage Researcher/PhD student position within the EU-funded Marie Skłodowska-Curie Innovative Training Network, 'CLARIFY – CLoud ARtificial Intelligence For pathologY', Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on data management, decision making and application of artificial intelligence in digital pathology**.** For more information visit www.clarify-project.eu

The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology. Within the project there are positions available at the following partners:

ESR1 and ESR2 - Universiteit Van Amsterdam, Faculty of Science (Amsterdam, Netherlands)

SR3 - bitYoga AS (Stavanger, Norway)

ESR4 and ESR5 - University of Stavanger, Dept of Electrical Engineering and Computer Science (Stavanger, Norway)

ESR6 and ESR7 - Universitat Politècnica de València, Institute for Research and Innovation in Bioengineering (Valencia, Spain)

ESR8 - Universidad de Granada, Research Center on Information and Communication Technologies (Granada, Spain)

ESR9 - Tyris Software S.L. (Valencia, Spain)

ESR10 - Erasmus Medisch Centrum Rotterdam, Department of Urology (Rotterdam, Netherlands)

ESR11 - Helse Stavanger HF, Department of Pathology (Stavanger, Norway)

ESR12 - Fundación para La Investigación del Hospital Clínico de la Comunitat Valenciana, Anatomic Pathology Department, University Clinic Hospital (Valencia, Spain).

What are you going to do?

We are looking for a PhD candidate who wishes to develop expertise in big data management and cloud computing. The PhD project will focus on new approaches and techniques for building efficient data analysis and processing workflows across multiple heterogeneous infrastructures. In this position you will tackle the semantic interoperability challenges among different data infrastructures, and provide effective data services for enabling large scale distributed data-centric applications using semantic search, metadata alignment, knowledge graph, workflow management, and machine learning techniques. You will particularly focus on solutions for discovering, accessing, and processing data with specific application requirements for data quality, privacy, and system performance. During this position, you will have to travel to other partners in the project for several months.

ADDITIONAL INFORMATION

Benefits

A temporary contract for 38 hours per week, preferably starting on 1 May 2020 for the duration of 18 months. After a satisfactory evaluation the contract will be extended for 30 months and should lead to a dissertation (PhD thesis). You will get a customized Training and Supervision Plan, that will be evaluated every year.
The salary, depending on relevant experience before the beginning of the employment contract, will be €2,325 to €2,972 (scale P) gross per month, based on fulltime (38 hours a week), exclusive 8 % holiday allowance and 8.3 end-of-year bonus. A favorable tax agreement, the ‘30% ruling’, may apply to non-Dutch applicants. The Collective Labour Agreement of Dutch Universities is applicable.
For the travel to our partners you will get a travel budget. If you come to the Netherlands with your family and comply to the rules of the project for this, there is a budget available.
Are you curious about our extensive package of secondary employment benefits like our excellent opportunities for study and development? Then find out more about working at the Faculty of Science.

Selection process

The UvA is an equal-opportunity employer. We prioritise diversity and are committed to creating an inclusive environment for everyone. We value a spirit of enquiry and perseverance, provide the space to keep asking questions, and promote a culture of curiosity and creativity. The Informatics Institute strives for a better gender balance in its staff. We therefore strongly encourage women to apply for this position.
Do you recognize yourself in the job profile? Then we look forward to receiving your CV and cover letter by 31 januari 2020. You may apply online by using the link below.
Applications should include a motivation letter and CV, including a list of publications.

Additional comments

Do you have questions about this vacancy? Or do you want to know more about our organisation? Please contact:

Dr Zhiming Zhao Assistant professor
T : +31 (0)6 41265121

Web site for additional job details

https://www.academictransfer.com/288226/
REQUIREMENTS

Offer Requirements

Specific Requirements

You should have a master degree in computer science or other relevant disciplines from a recognized university and be fluent in speaking and writing English. Specifically, we are interested in people with:

strong motivation to do research on the data management and semantic related problems (e.g. regarding metadata, semantic modelling, ontologies, knowledge graph and semantic search);

strong motivation for doing interdisciplinary research;

experiences on machine learning and medical applications are preferred;

experience in programming (using Java, Python or other languages);

excellent communication skills.

Eligibility criteria
Applicants, at the date of recruitment, must comply with the following conditions:

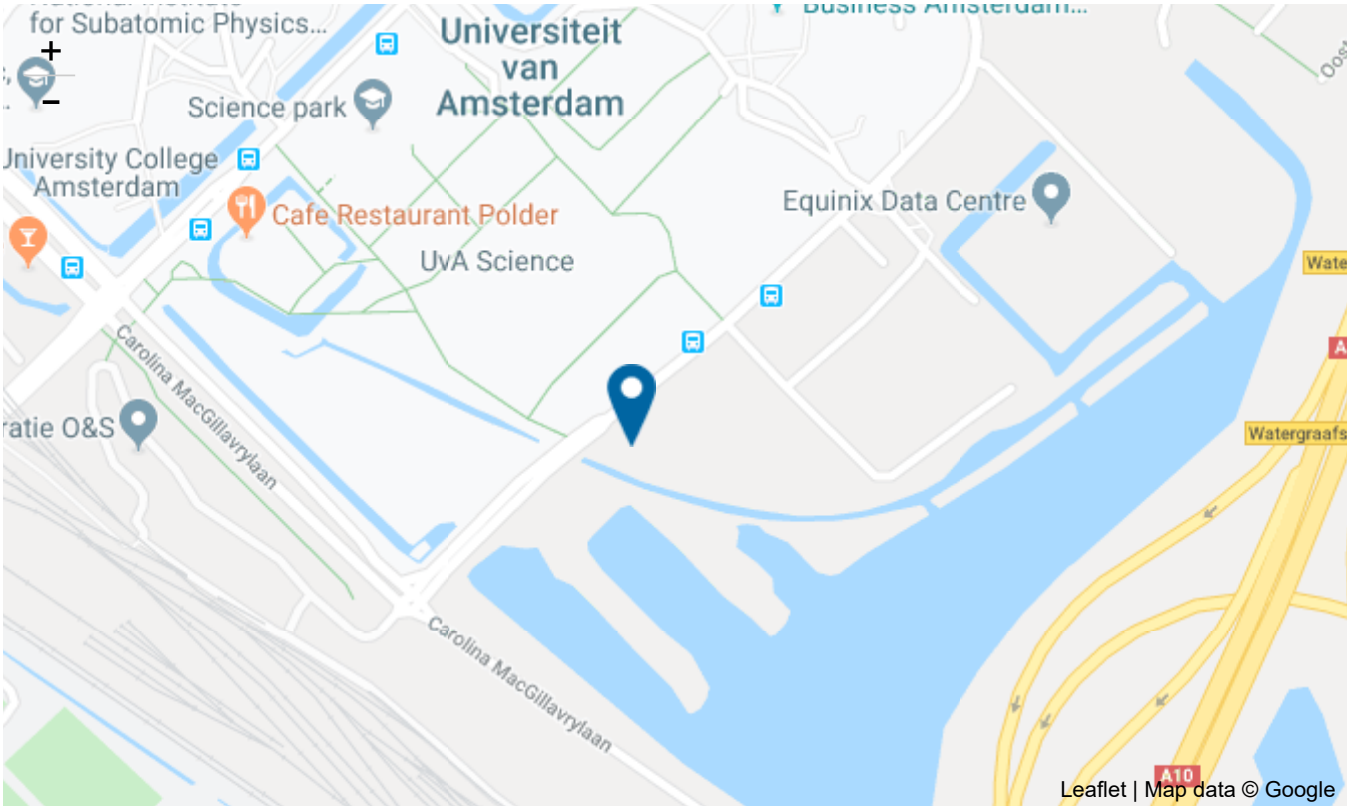
be in the first four years* of his/her research career and not have a doctoral degree and

not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the

master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master’s conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Map Information



Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
University of Amsterdam
Netherlands
Amsterdam
1098 XH
Science Park 904

EURAXESS offer ID: 472547

Posting organisation offer ID: 288226

Disclaimer:

The responsibility for the jobs published on this website, including the job description, lies entirely with the publishing institutions. The application is handled uniquely by the employer, who is also fully responsible for the recruitment and selection processes.

Please contact support@euraxess.org if you wish to download all jobs in XML.

12/12/2019

PhD position in distributed data management and processing

Where to apply

Application Deadline: 31/01/2020 23:59 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
University of Amsterdam (UvA)

WEBSITE
https://www.academictransfer.com/288236/phd-position-in-distributed-data-mana...

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A temporary contract for 38 hours per week, preferably starting on 1 May 2020 for the duration of 18 months. After a satisfactory evaluation the contract will be extended for 30 months and should lead to a dissertation (PhD thesis). You will get a customized Training and Supervision Plan, that will be evaluated every year.
The salary, depending on relevant experience before the beginning of the employment contract, will be €2,325 to €2,972 (scale P) gross per month, based on fulltime (38 hours a week), exclusive 8 % holiday allowance and 8.3 end-of-year bonus. A favorable tax agreement, the ‘30% ruling’, may apply to non-Dutch applicants. The Collective Labour Agreement of Dutch Universities is applicable.
For the travel to our partners you will get a travel budget. If you come to the Netherlands with your family and comply to the rules of the project for this, there is a budget available.
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experience in programming (using Java, Python or other languages);

excellent communication skills.

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be in the first four years* of his/her research career and not have a doctoral degree and

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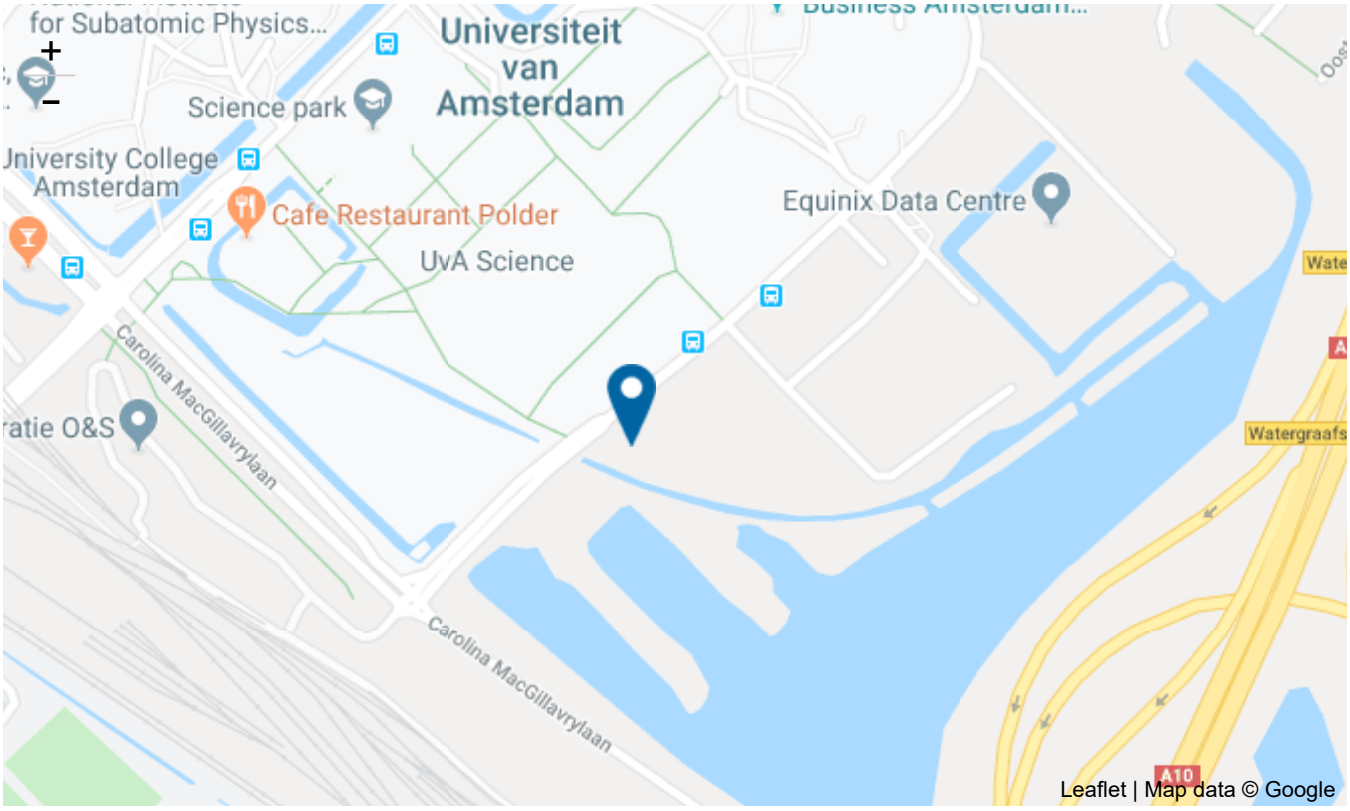

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WORK LOCATION(S)

1 position(s) available at
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Netherlands
Amsterdam
1098 XH
Science Park 904

EURAXESS offer ID: 472543

Posting organisation offer ID: 288236

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Please contact support@euraxess.org if you wish to download all jobs in XML.

15/12/2019

Marie Curie Actions

PhD position in Computer Science

Where to apply

Application Deadline: 22/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
bitYoga AS

E-MAIL
antorweep@bityoga.com

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
bitYoga AS

ORGANISATION TYPE
Small Medium Enterprise, Start-up

WEBSITE
https://bityoga.com/

COUNTRY
Norway

CITY
Stavanger

STATE/PROVINCE
Rogaland

POSTAL CODE
4021

STREET
Professor Olav Hanssens vei 7A

ORGANISATION/COMPANY
bitYoga AS

LOCATION
Norway › Stavanger

RESEARCH FIELD

TYPE OF CONTRACT

Computer science › Other

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
22/02/2020 23:00 - Europe/Brussels

Temporary

JOB STATUS
Full-time

HOURS PER WEEK
37.5

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

JOB DESCRIPTION

bitYoga AS is an up and coming company on the edge of technology providing state of the art security, privacy, and AI solutions located in the city of Stavanger, Norway. We are looking for an upbeat, enthusiastic, self-motivated individual to join our team for a Ph.D fellowship with a focus on AI, Big Data and Blockchain. The PhD will be taken at the Faculty of Science and Technology, Department of Electrical Engineering and Computer Science at the University of Stavanger. The position is vacant from May 2020 but could be started earlier.

This is a trainee position that will give promising researchers an opportunity for industry driven research for solving real world problems leading to a doctoral degree.

The appointment is for three years with research and software development duties exclusively.

Applications are invited for full-time Early Stage Researcher (ESR)/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, “CLARIFY – CLoud ARtificial Intelligence For pathologY”, Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialties: engineering and medicine, with a focus on digital pathology.

The scientific goal of CLARIFY is to develop a robust automated digital diagnostic environment based on digital image processing, artificial intelligence/machine learning, cloud computing, and blockchain technology, to enhance knowledge sharing and reach better-informed

decisions. Three specific and challenging cancer types will be studied: i) Triple negative breast cancer (TNBC), ii) High-risk non-muscle invasive bladder cancer (HR-NMIBC), iii) Spitzoid melanocytic lesions (SML).

The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

This announcement is for ESR3, as announced on the CLARIFY website http://www.clarify-project.eu/, with sub-project title: “Taking computation to Data: integrating BigData and Blockchain allowing secure analysis of sensitive health data on-premise”

The main tasks of ESR3 will be to create an information system that supports transferring computation to data rather than the other way around. ESR3 will 1) enable greater insights and research to be conducted on sensitive health datasets; 2) protect the sensitive datasets by taking the computation directly to the data on premise of health providers; 3) develop a blockchain based framework that integrates with existing Big Data health infrastructure.; 4) allow creation of a consortium that controls the deployed blockchain and improves trust on the data, analysis and shares done through the platform.

The ESR will have her/his main work place at bitYoga. Close collaboration and exchange with project partners and other ESRs involved in the project are key elements of the Marie Skłodowska-Curie program. Mandatory secondment periods are included in the project and the candidate will spend time at project partners’ facilities to access/exchange data, models and other required information for tool development and validation purposes.

ADDITIONAL INFORMATION

Benefits

WORKING CONDITIONS

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.
Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.
Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.
Please be aware that for these positions mandatory secondments at different partner institutions are involved.

Eligibility criteria

ELIGIBILITY CRITERIA

Applicants, at the date of recruitment, must comply with the following conditions:
(i) be in the first four years of his/her research career and not have a doctoral degree.

(ii) not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country). In regards to this position, you must not have resided in Norway.

Additional comments

CONTACT INFORMATION

More information on the position can be obtained from Antorweep Chakravorty, tel: +47 40625773, e-mail: antorweep@bityoga.com or Russel Wolff, tel: +47 47903118, e-mail: russel@bityoga.com.

APPLICATION

To apply for this position please follow the link. Register your application and CV including relevant education and work experience. In your application letter you must show your research interests and motivation to apply for the position.

The following documents must be uploaded as attachments to your application:

list of publications [if any]

list / links to software development work [e.g. github repos, if any]

other documentation that you consider relevant

The documentation must be available in English. Information and documentation to be taken into account in the assessment must be submitted within the application deadline. The application deadline is 22 February, 2020.

Please note that information on applicants may be published even if the applicant has requested not to be included in the official list of applicants - see Section 25 of the Freedom of Information Act.

REQUIREMENTS

Offer Requirements

REQUIRED LANGUAGES

ENGLISH: Excellent

Skills/Qualifications

QUALIFICATION REQUIREMENTS

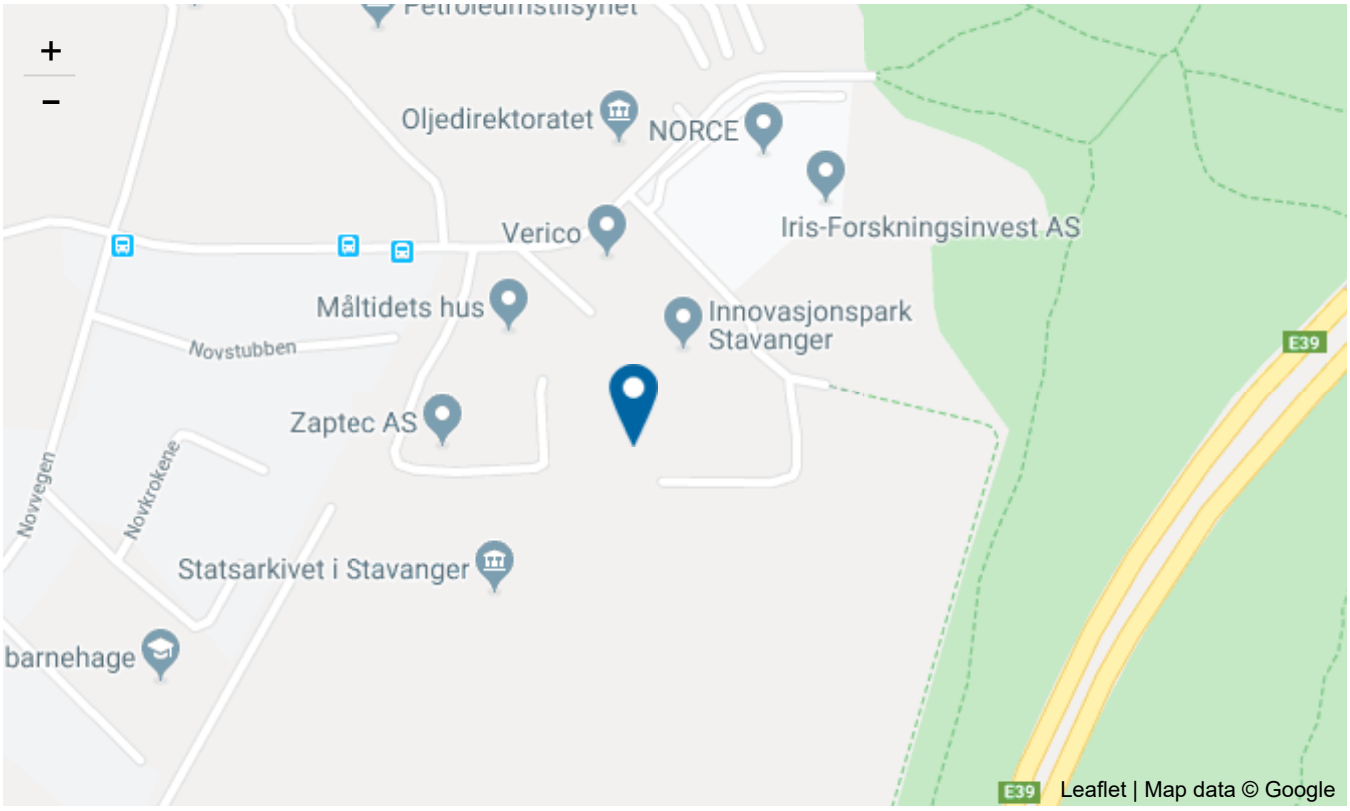
We are looking for applicants with a strong academic, technical and programming background who have completed a five-year master degree (3+2) within computer science, preferably acquired recently; or possess corresponding qualifications that could provide a basis for successfully completing a doctorate. ESR3 will be a data scientist with good software engineering skills and blockchain, big data, machine learning and data security knowledge.

Emphasis is also placed on your:

- motivation and potential for research within the field
- ability to work independently and in a team, be innovative and creative
- ability to work structured and handle a heavy workload
- having a good command of both oral and written English

The candidate must meet eligibility requirements for admission to a doctoral programme at the University of Stavanger. To be eligible for admission to the doctoral programmes at the University of Stavanger both the grade for your master's thesis and the weighted average grade of your master's degree must individually be equivalent to or better than a B grade. Applicants with an education from an institution with a different grade scale than A-F should attach a confirmed conversion scale that shows how the grades can be compared with the Norwegian A-F scale.

Map Information



Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
bitYoga AS
Norway
Rogaland
Stavanger
4021
Professor Olav Hanssens vei
7A

EURAXESS offer ID: 473158

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

12/12/2019

PhD fellowship in machine learning

University of Stavanger

Where to apply

Application Deadline: 15/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
University of Stavanger

WEBSITE
https://www.jobbnorge.no/en/available-jobs/job/177390/phd-fellowship-in-machi...

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
University of Stavanger

COUNTRY
Norway

ORGANISATION TYPE
Higher Education Institute

CITY
STAVANGER

WEBSITE
http://www.uis.no

STREET
4036 STAVANGER

ORGANISATION/COMPANY
University of Stavanger

LOCATION
Norway › STAVANGER

RESEARCH FIELD

TYPE OF CONTRACT

Computer science

Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Full-time

APPLICATION DEADLINE
15/02/2020 23:00 - Europe/Brussels

HOURS PER WEEK
37.5

Job description

The University of Stavanger invites applicants for a Ph.D fellowship in in the field of image processing and machine learning and/or computer science at the Faculty of Science and Technology, Department of Electrical Engineering and Computer Science. The position is vacant from May 2020.

This is a trainee position that will give promising researchers an opportunity for academic development leading to a doctoral degree.

The appointment is for three years with research duties exclusively.

Applications are invited for full-time Early Stage Researcher (ESR)/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, “CLARIFY – CLoud ARtificial Intelligence For pathologY”, Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu.

The scientific goal of CLARIFY is to develop a robust automated digital diagnostic environment based on digital image processing, artificial intelligence/machine learning, cloud computing, and blockchain technology, to enhance knowledge sharing and reach better-informed decisions. Three specific and challenging cancer types will be studied: i) Triple negative breast cancer (TNBC), ii) High-risk non-muscle invasive bladder cancer (HR-NMIBC), iii) Spitzoid melanocytic lesions (SML).

The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

This announcement is for ESR4, as announced on the CLARIFY’s website, with sub-project title: “Preprocessing, segmentation and anonymization of Whole Slide Images (WSI)”

The main tasks of ESR4 will be to develop methods and algorithms to anonymize WSI, allowing multi-level role-based sharing, based on cloud computing and blockchain technology, and to preprocess WSI to prepare for further analysis. In addition, automatic methods for region of interest extraction and segmentation based on image machine learning, as deep neural networks, will be explored for the different diseases.

The ESR will have her/his main work place at the University of Stavanger. Close collaboration and exchange with project partners and other ESRs involved in the project are key elements of the Marie Skłodowska-Curie program. Mandatory secondment periods are included in the project and the candidate will spend time at project partners' facilities to access/exchange data, models and other required information for tool development and validation purposes.

Planned secondments ESR4:

SUH (M14): Practical insight into digital pathology and its requirements; UGR (M17-M19): Probabilistic modelling; LYN (M22-M23): Clinical Decision Support Systems and clinical implementation of applications in healthcare; UVA (M29-M31):Data sharing techniques

Qualification requirements

We are looking for applicants with a strong academic background who have completed a five-year master degree (3+2) within electrical engineering or computer science, preferably acquired recently; or possess corresponding qualifications that could provide a basis for successfully completing a doctorate.

To be eligible for admission to the doctoral programmes at the University of Stavanger both the grade for your master's thesis and the weighted average grade of your master's degree must individually be equivalent to or better than a B grade.

Applicants with an education from an institution with a different grade scale than A-F should attach a confirmed conversion scale that shows how the grades can be compared with the Norwegian A-F scale.

The applicants is further required to have subjects like:

- programming
- machine Learning

Furthermore, it is an advantage to have

- image Processing
- knowledge in deep neural networks
- knowledge in Blockchain technology

Emphasis is also placed on your:

- motivation and potential for research within the field

ability to work independently and in a team, be innovative and creative

ability to work structured and handle a heavy workload

having a good command of both oral and written English

We offer

varied duties in a large, exciting and socially important organisation

an ambitious work community which is developing rapidly. We strive to include employees at all levels in strategic decisions and promote an informal atmosphere with a flat organisational structure

salary in accordance with the State Salary Scale, l.pl 17.515, code 1017, NOK 479.600,- gross per year with salary development according to seniority in the position. The salary is according to Norwegian regulations, and is guarantied to fulfill the regulations of Marie Skłodowska-Curie Actions for "arly Stage Researchers.

automatic membership in the Norwegian Public Service Pension Fund, which provides favourable insurance- and retirement benefits

favourable membership terms at a gym and at the SIS sports club at campus

employment with an Inclusive Workplace organisation which is committed to reducing sick leave, increasing the proportion of employees with reduced working capacity, and increasing the number of professionally active seniors

"Hjem-jobb-hjem" discounted public transport to and from work

as an employee in Norway, you will have access to an optimal health service, as well as good pensions, generous maternity/paternity leave, and a competitive salary. Nursery places are guaranteed and reasonably priced

relocation programme in event of moving to Norway, including support and language courses for spouses

Other information

See "Regulations concerning terms and conditions of employment for the posts of post-doctoral research fellow and research fellow, research assistant and resident" at the University of Stavanger.

The appointee will be based at the University of Stavanger, with the exception of stays abroad at relevant research centres. As the Innovative Training Network programme aims to promote cross-border mobility, a condition for eligibility to the scholarship is that the candidate must not have resided or carried out their main activity (work, studies, etc.) in Norway for more than 12 months of the 3 years immediately before the recruitment date. Short stays, such as holidays, are not taken into account. Furthermore, candidates must be in the first four years* of their research careers and cannot hold a doctoral degree.

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited.

In case of being interested in more than one CLARIFY ESR’s position, note that candidates can apply to a maximum of three CLARIFY’s positions and should rank them based on their preferences. This information must be included in the application.

It is a prerequisite that the appointee has a residence which enables him or her to be present at/available to the academic community during ordinary working hours.

The University currently employs few female research fellows within this academic field, and women are therefore particularly encouraged to apply.

The position has been announced in both Norwegian and English. In the case of differences of meaning between the texts, the English text takes precedence.

Contact information

More information on the position can be obtained from Professor Kjersti Engan, tel: +47 5183 2008, e-mail: kjersti.engan@uis.no

Information about the appointment procedure can be obtained from HR-adviser Janne Halseth, tel: +47 5183 3525, e-mail: janne.halseth@uis.no.

Application

To apply for this position please follow the link "Apply for this job". Register your application and CV including relevant education and work experience. In your application letter you must show your research interests and motivation to apply for the position.

The following documents must be uploaded as attachments to your application in separate files:

certificates/diplomas

references

list of publications

other documentation that you consider relevant

The documentation must be available in either a Scandinavian language or in English. If the total size of the attachments exceeds 30 MB, they must be compressed before upload. Information and documentation to be taken into account in the assessment must be submitted within the application dealine.

Please note that information on applicants may be published even if the applicant has requested not to be included in the official list of applicants - see Section 25 of the Freedom of Information Act.

UiS only considers applications and attachments registered in JobbNorge.

UiS - challenge the well-known and explore the unknown

The University of Stavanger (UiS) has about 12,000 students and 1,700 employees. We are the only Norwegian member of the European Consortium of Innovative Universities. The university has high ambitions. We will have an innovative and international profile, and will be a driving force in knowledge development and in the process of societal change. Together with our staff and students, we will challenge the well-known and explore the unknown.

Department of Electrical Engineering and Computer Science is part of the Faculty of Science and Technology.

The department carries out research within computer science, data Science, cybernetics and signal processing, and offers bachelor programs in electrica engineering and computer science, master programs in computer science, data science and cybernetics/signal processing, and a PhD program in information technology. There are currently 50 employees, including research fellows and postdocs, and 600 students at the department.

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
University of Stavanger
Norway
STAVANGER
4036 STAVANGER

EURAXESS offer ID: 472490

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

12/12/2019

Ph.D fellowship in image processing and machine learning

University of Stavanger

Where to apply

Application Deadline: 15/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
University of Stavanger

WEBSITE
https://www.jobbnorge.no/en/available-jobs/job/178700/phd-fellowship-in-image...

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
University of Stavanger

COUNTRY
Norway

ORGANISATION TYPE
Higher Education Institute

CITY
STAVANGER

WEBSITE
http://www.uis.no

STREET
4036 STAVANGER

ORGANISATION/COMPANY
University of Stavanger

LOCATION
Norway › STAVANGER

RESEARCH FIELD

TYPE OF CONTRACT

Computer science

Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Full-time

APPLICATION DEADLINE
15/02/2020 23:00 - Europe/Brussels

HOURS PER WEEK
37.5

Job description

The University of Stavanger invites applicants for a Ph.D fellowship in the field of image processing and machine learning at the Faculty of Science and Technology, Department of Electrical Engineering and Computer Science. The position is vacant from May 2020.

This is a trainee position that will give promising researchers an opportunity for academic development leading to a doctoral degree.

The appointment is for three years with research duties exclusively.

Applications are invited for full-time Early Stage Researcher (ESR)/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, “CLARIFY – CLoud ARtificial Intelligence For pathologY”, Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu.

The scientific goal of Clarify is to develop a robust automated digital diagnostic environment based on digital image processing, artificial intelligence/machine learning, cloud computing, and blockchain technology, to enhance knowledge sharing and reach better-informed decisions. Three specific and challenging cancer types will be studied: i) Triple negative breast cancer (TNBC), ii) High-risk non-muscle invasive bladder cancer (HR-NMIBC), iii) Spitzoid melanocytic lesions (SML).

The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

This announcement is for ESR5, as announced on the CLARIFY’s website, with sub-project title: “Extracting diagnostic and prognostic information from histological images of non-muscle invasive bladder cancer (NMBC)”

The main tasks of ESR5 will be to define and develop algorithms using image processing and machine learning techniques, like deep neural networks, to characterize NMBC and extract features with diagnostic importance. This will further be used for both classification of grade, risk of recurrence and progression of the disease. It and will also be combined with a content based image retrieval (CBIR) system, finding similar cases with known follow-up information from established databases.

The ESR will have her/his main work place at the University of Stavanger. Close collaboration and exchange with project partners and other ESRs involved in the project are key elements of the Marie Skłodowska-Curie program. Mandatory secondment periods are included in the project and the candidate will spend time at project partners' facilities to access/exchange data, models and other required information for tool development and validation purposes.

Planned secondments ESR5:

EMC (M11-M13): Interpretation of WSI and definition of clinical knowledge for urinary bladder cancer; BY (M21-M23): Blockchain Frameworks; UPV (M31-M33): Novel pattern identification

Qualification requirements

We are looking for applicants with a strong academic background who have completed a five-year master degree (3+2) within) within electrical engineering, biomedical engineering or computer science, preferably acquired recently; or possess corresponding qualifications that could provide a basis for successfully completing a doctorate.

To be eligible for admission to the doctoral programmes at the University of Stavanger both the grade for your master's thesis and the weighted average grade of your master's degree must individually be equivalent to or better than a B grade.

Applicants with an education from an institution with a different grade scale than A-F should attach a confirmed conversion scale that shows how the grades can be compared with the Norwegian A-F scale.

The applicant is further required to have subjects like:

- signal- and/or image processing
- machine learning
- programming

Furthermore, it is an advantage to have:

- knowledge in deep neural networks
- biomedical image processing

Emphasis is also placed on your:

- motivation and potential for research within the field

ability to work independently and in a team, be innovative and creative

ability to work structured and handle a heavy workload

having a good command of both oral and written English

We offer

varied duties in a large, exciting and socially important organisation

an ambitious work community which is developing rapidly. We strive to include employees at all levels in strategic decisions and promote an informal atmosphere with a flat organisational structure

salary in accordance with the State Salary Scale, l.pl 17.515, code 1017, NOK 479.600,- gross per year with salary development according to seniority in the position. The salary is according to Norwegian regulations, and is guarantied to fulfill the regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

automatic membership in the Norwegian Public Service Pension Fund, which provides favourable insurance- and retirement benefits

favourable membership terms at a gym and at the SIS sports club at campus

employment with an Inclusive Workplace organisation which is committed to reducing sick leave, increasing the proportion of employees with reduced working capacity, and increasing the number of professionally active seniors

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as an employee in Norway, you will have access to an optimal health service, as well as good pensions, generous maternity/paternity leave, and a competitive salary. Nursery places are guaranteed and reasonably priced

relocation programme in event of moving to Norway, including support and language courses for spouses

Other information

See "Regulations concerning terms and conditions of employment for the posts of post-doctoral research fellow and research fellow, research assistant and resident" at the University of Stavanger.

The appointee will be based at the University of Stavanger, with the exception of stays abroad at relevant research centres. As the Innovative Training Network programme aims to promote cross-border mobility, a condition for eligibility to the scholarship is that the candidate must not have resided or carried out their main activity (work, studies, etc.) in Norway for more than 12 months of the 3 years immediately before the recruitment date. Short stays, such as holidays, are not taken into account. Furthermore, candidates must be in the first four years* of their research careers and cannot hold a doctoral degree.

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited.

In case of being interested in more than one CLARIFY ESR’s position, note that candidates can apply to a maximum of three CLARIFY’s positions and should rank them based on their preferences. This information must be included in the application.

It is a prerequisite that the appointee has a residence which enables him or her to be present at/available to the academic community during ordinary working hours.

The University currently employs few female research fellows within this academic field, and women are therefore particularly encouraged to apply.

The position has been announced in both Norwegian and English. In the case of differences of meaning between the texts, the English text takes precedence.

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More information on the position can be obtained from Professor Kjersti Engan, tel: +47 5183 2008, e-mail: kjersti.engan@uis.no.

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references

list of publications

other documentation that you consider relevant

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Department of Electrical Engineering and Computer Science is part of the Faculty of Science and Technology.

The department carries out research within computer science, data Science, cybernetics and signal processing, and offers bachelor programs in electrica engineering and computer science, master programs in computer science, data science and cybernetics/signal processing, and a PhD program in information technology. There are currently 50 employees, including research fellows and postdocs, and 600 students at the department.

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
University of Stavanger
Norway
STAVANGER
4036 STAVANGER

EURAXESS offer ID: 472489

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

04/12/2019

Early Stage Researcher/PhD student position (ESR6) – Artificial intelligence on histological images for diagnosis and prognosis of breast cancer

Where to apply

Application Deadline: 15/02/2020 00:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Universitat Politècnica de València

E-MAIL
cvblab@i3b.upv.es

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Universitat Politècnica de València

DEPARTMENT
i3B - Instituto de Investigación e Innovación en Bioingeniería - Computer Vision and Behaviour Analysis Lab

ORGANISATION TYPE
Higher Education Institute

WEBSITE
http://www.i3b.upv.es/cvblab

COUNTRY
Spain

CITY
Valencia

STATE/PROVINCE
Valencia

POSTAL CODE
46022

STREET
Camino de Vera s/n

ORGANISATION/COMPANY
Universitat Politècnica de València

RESEARCH FIELD
Computer science › Programming

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
15/02/2020 00:00 - Europe/Brussels

LOCATION
Spain › Valencia

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
40

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

Candidates are invited for a full-time Early Stage Researcher/PhD student position within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "**CLARIFY – CLoud ARtificial Intelligence For pathologY**", Grant Agreement number 860627.

This position is one of the 12 ESR positions of the CLARIFY project. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu .

ESR6's Project Title: Significant feature extraction from whole slide images for diagnosis and prognosis of triple negative breast cancer

Objectives: To develop new algorithms based on image processing and machine learning disciplines for the extraction of significant features that characterize triple negative breast cancer (TNBC) and differentiate it from other kind of breast cancer and healthy tissue. ESR6 will devote to: 1) Design and implementation of whole-slide-image descriptors based on clinical knowledge to characterize the TNBC (hand-crafted features). 2) Analyse and implement different strategies of automatic feature extraction based on convolutional neural networks (CNN). 3) Obtain the features automatically learned by the CNN. 4) Comparison of the ability of the different features for differentiating TNBC tissues from other breast tumours or healthy tissues and a combination of them.

The ESR will have his/her main workplace at the Universitat Politècnica de València (Valencia, Spain) but mandatory secondment periods at different partner institutions are also required.

Planned secondment(s): ROCHE (M11,M24,M34): Commercial digital pathology applications and good practices for WSI acquisition and processing; SUH (M14-M16): Clinical knowledge for TNBC diagnosis; UGR (M28-M30): Crowdsourcing models.

ADDITIONAL INFORMATION

Benefits

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.

Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.

Eligibility criteria

Applicants, at the date of recruitment, must comply with the following conditions:

1. be in the first four years* of his/her research career and not have a doctoral degree.

2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Selection process

Motivation letter and CVs must be sent by email to: cvblab@i3b.upv.es

In case of being interested in more than one CLARIFY ESR's position, note that **candidates can apply to a maximum of three CLARIFY's positions** and should rank them based on their preferences. This information must be included in the application.

REQUIREMENTS

Offer Requirements

Skills/Qualifications

We are looking for engineers with strong academic background and interest in image processing, artificial intelligence, machine learning and deep learning. Specifically, we are interested in people with:

Strong motivation and potential for research within the field

Background in computer vision and artificial intelligence

Programming skills (Matlab, Python, C++, Javascript, php or other languages);

Experiences on machine learning and deep learning.

Fluent oral and written English

Excellent communication skills.

Specific Requirements

Applicants must have completed a **master's degree in Computer Science, Telecommunication Engineering, Electrical Engineering, Biomedical Engineering or other relevant disciplines.** ESR6 will enrol in Universitat Politècnica de València's Doctoral School in Technologies for Health and Wellbeing.

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Universitat Politècnica de
València
Spain
Valencia
Valencia
46022
Camino de Vera s/n

EURAXESS offer ID: 469509

Disclaimer:

The responsibility for the jobs published on this website, including the job description, lies entirely with the publishing institutions. The application is handled uniquely by the employer, who is also fully responsible for the recruitment and selection processes.

Please contact support@euraxess.org if you wish to download all jobs in XML.

04/12/2019

Marie Curie Actions

Early Stage Researcher/PhD student position (ESR7) – Deep learning on histological images for diagnosis and prognosis of skin cancer

Where to apply

Application Deadline: 15/02/2020 00:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Universitat Politècnica de València

E-MAIL
cvblab@i3b.upv.es

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Universitat Politècnica de València

DEPARTMENT
i3B - Instituto de Investigación e Innovación en Bioingeniería - Computer Vision and Behaviour Analysis Lab

ORGANISATION TYPE
Higher Education Institute

WEBSITE
http://www.i3b.upv.es/cvblab

COUNTRY
Spain

CITY
Valencia

STATE/PROVINCE
Valencia

POSTAL CODE
46022

STREET
Camino de Vera s/n

ORGANISATION/COMPANY
Universitat Politècnica de València

LOCATION
Spain › Valencia

RESEARCH FIELD
Computer science › Programming

TYPE OF CONTRACT
Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Full-time

APPLICATION DEADLINE
15/02/2020 00:00 - Europe/Brussels

HOURS PER WEEK
40

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

Candidates are invited for a full-time Early Stage Researcher/PhD student position within the EU-funded Marie Skłodowska-Curie Innovative Training Network, "**CLARIFY – CLoud ARtificial Intelligence For pathologY**", Grant Agreement number 860627.

This position is one of the 12 ESR positions of the CLARIFY project. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu .

ESR7's Project Title: Deep learning for spitzoid melanocytic lesion (SML) characterization

Objectives: To develop new algorithms based on deep learning disciplines for melanocytic lesion characterization. ESR7 will 1) apply different kind of deep neural networks to differentiate between healthy and pathological tissue. If the tissue is pathological, ESR7 will also distinguish between well-stablished types of spitzoid melanocytic lesions ; 2) train deep neural networks (DNN) for detection of clinically controversial spitzoid melanocytic cases with variable malignant potential; and 3) obtain the features automatically learned by the DNN in the classification carried out in 2.

The ESR will have his/her main workplace at the Universitat Politècnica de València (Valencia, Spain) but mandatory secondment periods at different partner institutions are also required.

Planned secondment(s): ROCHE (M11,M24,M34): Commercial digital pathology applications and good practices for WSI acquisition and processing; INCLIVA (M12-M13): Clinical knowledge for diagnosis of SML; UVA (M17-M19): Requirements of cloud-based algorithms.

ADDITIONAL INFORMATION

Benefits

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.

Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.

Eligibility criteria

Applicants, at the date of recruitment, must comply with the following conditions:

1. be in the first four years* of his/her research career and not have a doctoral degree.

2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Selection process

Motivation letter and CVs must be sent by email to: cvblab@i3b.upv.es

In case of being interested in more than one CLARIFY ESR's position, note that **candidates can apply to a maximum of three CLARIFY's positions** and should rank them based on their preferences. This information must be included in the application.

REQUIREMENTS

Offer Requirements

Skills/Qualifications

We are looking for engineers with strong academic background and interest in image processing, artificial intelligence, machine learning and deep learning. Specifically, we are interested on people with:

Strong motivation and potential for research within the field

Background in computer vision and artificial intelligence

Programming skills (Matlab, Python, C++, Javascript, php or other languages);

Experiences on machine learning and deep learning.

Fluent oral and written English

Excellent communication skills.

Specific Requirements

Applicants must have completed a **master's degree in Computer Science, Telecommunication Engineering, Electrical Engineering, Biomedical Engineering or other relevant disciplines**. ESR7 will enrol in Universitat Politècnica de València's Doctoral School in Technologies for Health and Wellbeing.

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Universitat Politècnica de
València
Spain
Valencia
Valencia
46022
Camino de Vera s/n

EURAXESS offer ID: 469519

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

12/12/2019

Early Stage Researcher/PhD student position (ESR8) – Probabilistic large scale crowdsourcing methods for histological image classification

Where to apply

Application Deadline: 15/02/2020 00:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Universidad de Granada

E-MAIL
clarify@decsai.ugr.es

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Universidad de Granada

DEPARTMENT
Departamento de Ciencias de la Computación e Inteligencia Artificial

ORGANISATION TYPE
Higher Education Institute

WEBSITE
http://www.ugr.es

E-MAIL
clarify@decsai.ugr.es

COUNTRY
Spain

CITY
Granada

POSTAL CODE
18071

STREET
Periodista Daniel Saucedo Aranda s/n

ORGANISATION/COMPANY
Universidad de Granada

LOCATION
Spain › Granada

RESEARCH FIELD
Computer science

TYPE OF CONTRACT
Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Full-time

APPLICATION DEADLINE
15/02/2020 00:00 - Europe/Brussels

HOURS PER WEEK
40

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

Candidates are invited for a full-time Early Stage Researcher/PhD student position within the EU-funded Marie Skłodowska-Curie Innovative Training Network, “CLARIFY – CLoud ARtificial Intelligence For pathologY”, Grant Agreement number 860627.

This position is one of the 12 ESR positions of the CLARIFY project. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu .

ESR8’s Project Title:

Probabilistic large scale crowdsourcing methods for histological image classification

Objectives:

To develop probabilistic classification models based on crowdsourcing techniques. ESR8 will 1) investigate crowdsourcing paradigms: from early to late fusion; 2) investigate the probabilistic modelling of the problem and scalable inference approaches (methods based on Gaussian and Deep Gaussian Processes); 3) generative probabilistic deep learning based models; 4) investigate active learning and annotators’ reliability; 5) develop applications to histological image classification; 6) use of handcrafted and deep learning features for classification models; 7) assess pathologists’ expertise areas.

Requirements

We are looking for engineers or scientists with strong academic background and interest in image processing, artificial intelligence, machine learning and deep learning. Specifically, we are interested on people with:

Strong motivation and potential for research within the field

Background in probability, artificial intelligence, and computer vision

Programming skills (Matlab, Python (PyTorch and TensorFlow), C++, or other languages

Experience on probability based machine learning and deep learning techniques

Fluent oral and written English

Excellent communication skills.

Applicants must have completed a master's degree in computer science, telecommunication engineering, electrical engineering, biomedical engineering or other relevant disciplines. ESR8 will enrol in Universidad de Granada's Doctoral School in Information and Communication Technologies.

Applicants, at the date of recruitment, must comply with the following conditions:

1. be in the first four years* of his/her research career and not have a doctoral degree.

2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in Spain).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Work location(s)

The ESR will have his/her main workplace at the **Universidad de Granada (Granada, Spain)** but mandatory secondment periods at different partner institutions are also required.

Planned secondment(s): **University of Stavanger (M14-M16):** WSI preprocessing and anonymization; **Fundación para la Investigación del Hospital Clínico de la Comunitat Valenciana (M20-M21):** Crowdsourcing problems in expert annotation; **Universitat Politècnica de València (M22-M23):** Feature extraction; **Tyris Software S.L. (M24-M25):** Software usability

Working conditions

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.

Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.

How to apply

Applications must be sent by email to: clarify@decsai.ugr.es containing:

1. **Researcher declaration document** including: (a) self-declaration about eligibility; (b) self-declaration about English proficiency; (c) rank of the CLARIFY's position applied (*see note 2) (max. 1 page)
2. Applicant **CV** (max. 4 pages)
3. Major **academic transcripts** (bachelor and master (if any)
4. Personal **motivation letter** (max. 300 words)
5. (optional) Up to 3 **recommendation letters** from CLARIFY's external recognized expert

NOTE 1: The application material should be sent in **one** PDF file of 10 MB maximum size.

NOTE 2: Applicants can apply to more than one position (**with a maximum of 3 ESR positions**) by indicating in the **Researcher Declaration Document** the reasons for applying to multiple positions.

REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL

Computer science: Master Degree or equivalent

Mathematics: Master Degree or equivalent

Engineering: Master Degree or equivalent

REQUIRED LANGUAGES

ENGLISH: Excellent

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Universidad de Granada
Spain
Periodista Daniel Saucedo
Aranda s/n
Granada
18071

EURAXESS offer ID: 472319

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

19/12/2019

Marie Curie Actions

Early Stage Researcher/PhD student position (ESR9) – Development of a cloud-based platform for histological image retrieval

Where to apply

Application Deadline: 15/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Tyris Software

WEBSITE
https://tyris-software.com/en/contacto/

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Tyris Software

COUNTRY
Spain

DEPARTMENT
BI and AI

ORGANISATION TYPE
Small Medium Enterprise, Start-up

WEBSITE
https://www.tyris-software.com

E-MAIL
javier.oliver@tyris-software.com

CITY
Valencia

STATE/PROVINCE
Valencia

POSTAL CODE
46021

STREET
Paseo de Facultades n1

PHONE
(+34) 961 152 302

MOBILE PHONE
(+34) 679 20 26 76

ORGANISATION/COMPANY
Tyris Software

RESEARCH FIELD
Engineering › Biomedical engineering
Engineering › Computer engineering

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
15/02/2020 23:00 - Europe/Brussels

LOCATION
Spain › Valencia

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
40

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

CLARIFY is a multidisciplinary research and training programme that links two specialities: engineering and medicine, with a focus on digital pathology.

If you are passionate about Machine Learning, algorithm optimization and cloud computing and you love the sun too, this is your position. :)

The PhD candidate will basically work on the development of cloud-based, image-retrieval methods for histological image-driven automatic diagnosis.

In **simple words**: The student will contribute on two of the main pillars of the consortium. On the one hand, they will work on the development of efficient algorithms for content-based image retrieval on large-scale datasets. On the other hand, they will contribute in the development of the clould-based platform that will connect health experts together with researchers in a unified framework.

In **technical words**: the student will 1) compare different similarity metrics for feature aggregation, database indexing, and image scoring; 2) develop a framework to analyze histological images by leveraging high-dimensional features and hashing-based methods; 3) use different hashing methods to compress high-dimensional features into optimised codes; and 4) implement an efficient updating and optimisation scheme to improve the supervised and kernelized hashing method to efficiently handle new training samples. The student will be an engineer with background and strong interest in computer science.

Planned secondment(s): INCLIVA (M17): Practical insight into digital pathology and its requirements; UiS (M19-M21): Artificial intelligence for medical applications; UPV (M25-M26): Software requirements for feature extraction; LYN (M28-M29): Medical knowledge management and representation

ADDITIONAL INFORMATION

Benefits

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.

Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.``

Eligibility criteria

Applicants, at the date of recruitment, must comply with the following conditions:

1. be in the first four years* of his/her research career and not have a doctoral degree.

2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Selection process

Motivation letter and CVs must be sent by email to: javier.oliver@tyris-software.com
In case of being interested in more than one CLARIFY ESR's position, note that **candidates can apply to a maximum of three CLARIFY's positions** and should rank them based on their preferences. This information must be included in the application.

Additional comments

If you need further information or you want to see the space where you are going to spend your 3 years of Phd, or you want to meet your new workmates and friends, we can hold a skype meeting. Just email us to find a date.

Web site for additional job details

https://www.tyris-software.com

REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL
Engineering: Master Degree or equivalent
Computer science: Master Degree or equivalent

REQUIRED LANGUAGES
ENGLISH: Good

Skills/Qualifications

We are looking for passionate engineers with strong academic background and interest in Image Processing, Algorithm Optimization, Artificial Intelligence, Machine Learning and Cloud Processing. In particular:

Background in Computer Vision and Artificial Intelligence

Programming skills in any of the following ML programming languages: Python (desired), C++, Matlab, R

Other programming skills: Angular 2+, Typescript will also be considered

Experience in the use of any of the following ML libraries (such as scikit-learn, keras, OpenCV)

Fluent oral and written English

Excellent communication skills

Open-minded

Experience working with (or strong interest to learn) agile methodologies and scrum

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Tyris Software S.L.
Spain
Valencia
Valencia
46021
Paseo de Facultades n1

EURAXESS offer ID: 474833

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

13/12/2019

Marie Curie Actions

Early Stage Researcher / PhD position in MSCA ITN CLARIFY - Improving high-risk non-muscle invasive bladder cancer diagnosis and prognosis by digital pathology

Where to apply

Application Deadline: 15/02/2020 00:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Erasmus MC

E-MAIL
t.zuiverloon@erasmusmc.nl

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Erasmus MC

COUNTRY
Netherlands

DEPARTMENT
Department of Urology

CITY
Rotterdam

ORGANISATION TYPE
Public Research Institution

POSTAL CODE
3015GD

WEBSITE
http://www.erasmusmc.nl

STREET
Dr. Molewaterplein 40

E-MAIL
t.zuiverloon@erasmusmc.nl

MOBILE PHONE
+31626419087

ORGANISATION/COMPANY
Erasmus MC

RESEARCH FIELD
Biological sciences › Biology

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
15/02/2020 00:00 - Europe/Brussels

LOCATION
Netherlands › Rotterdam

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
36

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

The Department of Urology at Erasmus MC, Rotterdam, The Netherlands offers an exciting position for a PhD student within the EU-funded Marie Skłodowska-Curie Innovative Training Network **CLARIFY** – CLoud ARtificial Intelligence For pathologY (Grant Agreement number 860627). CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training program that links two highly differentiated specialties: engineering and medicine, with a focus on digital pathology. Our department is one of the nine host institutions. For more information visit the CLARIFY website.

Your research project

As Early Stage Researcher 10 (ESR10), you will carry out the project entitled Improving high-risk non-muscle invasive bladder cancer diagnosis and prognosis by digital pathology. The research objectives are to improve diagnosis and prediction of response to treatment (BCG) in high-risk non-muscle invasive bladder cancer (HR-NMIBC) patients by studying the histopathological patterns of HR-NMIBC by image analysis together with clinicopathological biomarkers. You will 1) generate an annotated database of HR-NMBC patients including BCG-responders and BCG non-responders in order to improve, by artificial intelligence, precision and reproducibility of this classification; 2) define the requirements of an image analysis system which permits an effective classification of BCG-responders and BCG non-responders;

and 3) analyze the clinical significance of the new morphological patterns automatically identified by deep learning algorithms which are differentially present among both patient subgroups. Your fellow ESRs 1-9 mainly focus on development and implementation of deep learning networks based on extraction of tumor histological features. These algorithms are then used for image analysis in specific bladder tumors by you (ESR10) and in breast (ESR11) and skin (ESR12) tumors to improve diagnosis and prognosis.

Secondments

You will have your main workplace at Erasmus MC, but mandatory secondments at different partner institutions are also required. Secondments are planned at the Stavanger University Hospital (Norway) secondments in month 17-21 for WSI digitalization work flow and digital pathology diagnosis research training, at Tyris Software (Spain) in month 30-31 for usability and validation of clinical applications research training, and at INCLIVA Biomedical Research Institute (Spain) in month 32-33 for image-based diagnosis of spitzoid melanocytic lesions research training.

Working at Erasmus MC

You will be part of our international Urology and Pathology team embedded within the Academic Center of Excellence of Urogenital Tumors at Erasmus MC. You will collaborate closely with scientists from Urology and Pathology both on the non-clinical and clinical side as we have a strong translational focus at our departments. You will become a member of the Erasmus MC Postgraduate school Molecular Medicine and will be given the opportunity to compile your own individual program. Obligatory courses are Biostatistics and Research Methods, Biomedical English Writing and Research Integrity.

At Erasmus MC, we foster diversity across social, educational, cultural, nationality, age and gender. We are committed to diversity at all levels and strive to recruit employees with the right skills and competences, regardless of gender, age and ethnicity.

ADDITIONAL INFORMATION

Benefits

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.

Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.

Family allowance (if applicable). Costs of moving with the family to the recruitment country. Family means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognized by the legislation of the country where this relationship was formalized) or dependent children who are actually being maintained by the researcher.

Eligibility criteria

Applicants, at the date of recruitment, must comply with the following conditions:

1. be in the first four years* of his/her research career and not have a doctoral degree.

2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).

* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY positions if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrollment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Selection process

Please send your motivation letter, CV, contact details of 2 references, copies of relevant diploma(s) and academic transcripts and proof of English language proficiency if available to Dr. Tahlita Zuiverloon.
In case of being interested in more than one CLARIFY ESR's position, note that **you can apply to a maximum of three CLARIFY's positions** and should rank them based on your preferences. This information must be included in your application.
REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL
Biological sciences: Master Degree or equivalent

REQUIRED LANGUAGES
ENGLISH: Excellent

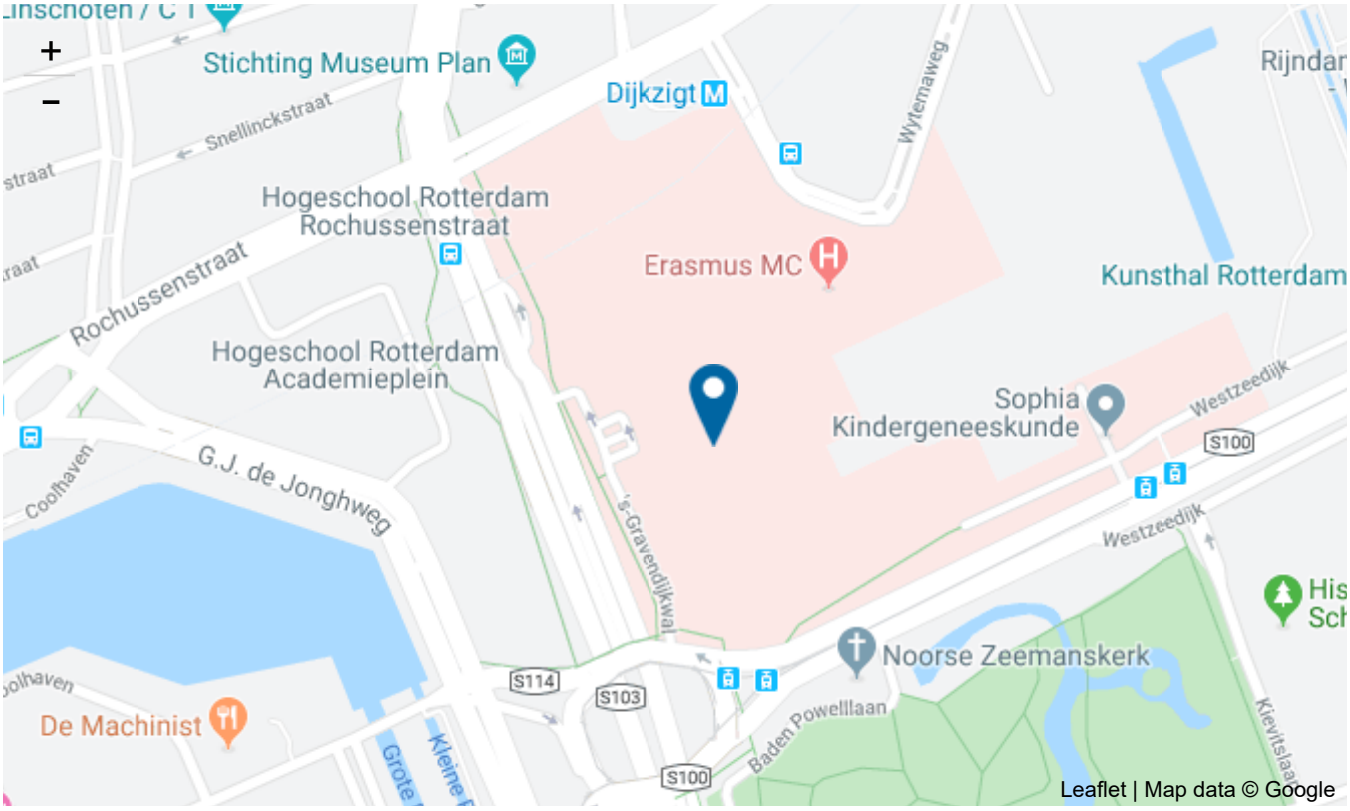
Skills/Qualifications

We are looking for a medical doctor or biomedical scientist with a strong interest in (digital) pathology, urology, image processing, and artificial intelligence. Specifically, we are interested in people with:
- Strong motivation and potential for research within the field
- Fluent oral and written English
- Excellent communication skills
- Preferentially a background in pathology/urology

Specific Requirements

Applicants must have completed Medical school or must have **a master's degree in Biomedical Sciences or other relevant disciplines.** ESR10 will enrol at Erasmus MC in Rotterdam, the Netherlands.

Map Information



Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Erasmus MC
Netherlands
Rotterdam
3015GD
Dr. Molewaterplein 40

EURAXESS offer ID: 472775

Disclaimer:

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Please contact support@euraxess.org if you wish to download all jobs in XML.

17/12/2019

Marie Curie Actions

PhD-fellowship in digital + molecular pathology of triple negative breast cancer

Where to apply

Application Deadline: 15/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
Helse Stavanger HF

WEBSITE
https://3394076700.webcruiter.no/Main/Recruit/Public/4167195221?language=NB&l...

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Helse Stavanger HF

COUNTRY
Norway

DEPARTMENT
Pathology - Molecular biology

CITY
Stavanger

ORGANISATION TYPE

STATE/PROVINCE

Other

WEBSITE
https://helse-stavanger.no/en

E-MAIL
jaem@sus.no

Rogaland

POSTAL CODE
4011

STREET
Gerd Ragne Bloch Thorsensgate 8

PHONE
+47-95890963

MOBILE PHONE
+47-95890963

ORGANISATION/COMPANY
Helse Stavanger HF

RESEARCH FIELD
Medical sciences

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
15/02/2020 23:00 - Europe/Brussels

LOCATION
Norway › Stavanger

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
37.5

OFFER STARTING DATE
04/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

The department of pathology at the Stavanger University Hospital is the 4th largest pathology department in Norway. The department has about 70 employees and analyses ca. 35.000 histology samples, 40.000 cytology samples and offers a full forensic service. The department

has a very active research group that produces ca. 15-20 peer reviewed articles a year and currently contains 5 phd students (of which 4 are pathologists) and 1 post doc. We are also in the front line for both quantitative/computational and molecular pathology.

The current position is a full-time Early Stage Researcher/PhD student positions within the EU-funded Marie Skłodowska-Curie Innovative Training Network, “CLARIFY – CLoud ARtificial Intelligence For pathologY”, Grant Agreement number 860627. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology.

For more information visit www.clarify-project.eu.
The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

The objectives for this postion are to study, by image analysis, histopathological patterns and features of TripleNegativeBreastCancer (

The scientific goal of Clarify is to develop a robust automated digital diagnostic environment based on digital image processing, artificial intelligence/machine learning, cloud computing, and blockchain technology, to enhance knowledge sharing and reach better-informed decisions. Three specific and challenging cancer types will be studied: i) Triple negative breast cancer (TNBC), ii) High-risk non-muscle invasive bladder cancer (HR-NMIBC), iii) Spitzoid melanocytic lesions (SML).

The CLARIFY project comprises 12 positions in i) artificial intelligence, ii) cloud computing, and iii) clinical pathology.

This announcement is for ESR11, as announced on the CLARIFY’s website, with sub-project title: “Evaluation of TNBC for diagnostic and prognostic by digital pathology”

The main tasks of ESR11 are to study, by image analysis, histopathological patterns and features of TripleNegative BreastCancer (TNBC), together with IHC, genetic and clinical information, in order to improve the reproducibility and prognostic value of the pathology diagnosis and classification for this subgroup of breast cancer with the worst prognostic outcome.

The ESR will have her/his main work place at the Stavanger University Hospital. Close collaboration and exchange with project partners and other ESRs involved in the project are key elements of the Marie Skłodowska-Curie program. Mandatory secondment periods are included in the project and the candidate will spend time at project partners’ facilities to access/exchange data, models and other required information for tool development and validation purposes.

Planned secondments ESR11:

EMC (M22-M24): Histopathology and molecular uropathology; INCLIVA (M29-M31): Knowledge and application of machine learning techniques to digitalized WSI; TY (M32-M33): Usability and validation of clinical applications;

ADDITIONAL INFORMATION

Benefits

Varied duties in a large, exciting and socially important organisation.

An ambitious work community which is developing rapidly. We strive to include employees at all levels in strategic decisions and promote an informal atmosphere with a flat organisational structure

Automatic membership in the Norwegian Public Service Pension Fund, which provides favourable insurance- and retirement benefits.

Employment with an Inclusive Workplace organisation which is committed to reducing sick leave, increasing the proportion of employees with reduced working capacity, and increasing the number of professionally active seniors.

"Hjem-jobb-hjem" discounted public transport to and from work.

As an employee in Norway, you will have access to an optimal health service, as well as good pensions, generous maternity/paternity leave, and a competitive salary.

Eligibility criteria

The appointee will be based at the Stavanger University Hospital, with the exception of stays abroad at relevant research centres. As the Innovative Training Network programme aims to promote cross-border mobility, a condition for eligibility to the scholarship is that the candidate must not have resided or carried out their main activity (work, studies, etc.) in Norway for more than 12 months of the 3 years immediately before the recruitment date. Short stays, such as holidays, are not taken into account. Furthermore, candidates must be in the first four years* of their research careers and cannot hold a doctoral degree.
* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited.
In case of being interested in more than one CLARIFY ESR’s position, note that candidates can apply to a maximum of three CLARIFY’s positions and should rank them based on their preferences. This information must be included in the application.
It is a prerequisite that the appointee has a residence which enables him or her to be present at/available to the academic community during ordinary working hours.

Additional comments

REQUIREMENTS

Required Research Experiences

RESEARCH FIELD
Medical sciences › Other

YEARS OF RESEARCH EXPERIENCE
1 - 4

Offer Requirements

REQUIRED EDUCATION LEVEL
Computer science: Master Degree or equivalent
Medical sciences: Master Degree or equivalent

REQUIRED LANGUAGES
ENGLISH: Excellent

Skills/Qualifications

The position is primary intended for applicants with a medical or biological university degree. Applicants with medical education are especially encouraged to apply.

For employment as PhD Research fellow at Stavanger University Hospital and to be eligible for admission to the doctoral programmes at the University of Stavanger, we normally require a five-year master's degree. The grade for your master’s thesis and the weighted average grade of your master’s degree must individually be equivalent to or better than a B grade.

Candidates with a medical university degree without letter grades will be admitted after special assessment.

We are looking for applicants with experience in relevant fields such as pathology, medical artificial intelligence, image analyses and/ or molecular biology, preferably acquired recently as this is a fast moving field; or possess

corresponding qualifications that could provide a basis for successfully completing a doctorate.

Specific Requirements

Emphasis is also placed on your:

Applicants with medical education are especially encouraged to apply.

Submitted scientific work and the applicant's personal skills for completing the project within the timeframe

Motivation and potential for research within the field

Ability to work independently and in a team, be innovative and creative

Ability to work structured and handle a heavy workload

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Helse Stavanger HF
Norway
Rogaland
Stavanger
4011
Gerd Ragne Bloch
Thorsensgate 8

EURAXESS offer ID: 473638

Disclaimer:

The responsibility for the jobs published on this website, including the job description, lies entirely with the publishing institutions. The application is handled uniquely by the employer, who is also fully responsible for the recruitment and selection processes.

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12/12/2019

Early Stage Researcher/Phd student position (ESR12) - Analysis of the implementation of AI algorithms in the evaluation of spitzoid melanocytic tumours for diagnosis and prognosis

Where to apply

Application Deadline: 15/02/2020 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY
INCLIVA Biomedical Research Institute

WEBSITE
https://www.incliva.es/empleo

APPLICATION FORM
solicitud-fusionado.pdf (1.42 MB)

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
INCLIVA Biomedical Research Institute

COUNTRY
Spain

ORGANISATION TYPE
Other

CITY
Valencia

WEBSITE
http://www.incliva.es

POSTAL CODE
46010

E-MAIL
rrhh@incliva.es

STREET
Avd. Menéndez Pelayo 4, Accesorio

PHONE
(+34) 961 973 532

ORGANISATION/COMPANY
INCLIVA Biomedical Research Institute

LOCATION
Spain › Valencia

RESEARCH FIELD
Medical sciences

TYPE OF CONTRACT
Temporary

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Full-time

APPLICATION DEADLINE
15/02/2020 23:00 - Europe/Brussels

HOURS PER WEEK
37.5

OFFER STARTING DATE
01/05/2020

EU RESEARCH FRAMEWORK PROGRAMME
H2020 / Marie Skłodowska-Curie Actions

MARIE CURIE GRANT AGREEMENT NUMBER
860627

Candidates are invited for a full-time Early Stage Researcher/Phd student position within the EU-funded Marie Sklodowska-Curie Innovative Training Network, **"CLARIFY - Cloud ARtificial Intelligence For pathologY".**

This position is one of the 12 ESR positions of the CLARIFY project. CLARIFY is an innovative, multinational, multi-sectorial, and multidisciplinary research and training programme that links two highly differentiated specialities: engineering and medicine, with a focus on digital pathology. For more information visit www.clarify-project.eu.

ESR12's Project Title: Analysis of the implementation of AI algorithms in the evaluation of spitzoid melanocytic tumours for diagnosis and prognosis.

Objectives: To study, by image analysis, the histopathological patterns and clues of spitzoid melanocytic tumours, together with immunohistochemical, genetic and clinical information, in order to improve and make more reproducible and prognostically useful the diagnosis and classification of this challenging group of cutaneous neoplasms.

The early researcher will be focused on the development of different clinical assistance tools for digital pathology. Three applications will be tested: an image retrieval system (description of the cloud-based platform developed able to manage large amounts of data referencing WSI with relevant metadata,) an annotation tool (User-friendly web-based application that allows WSI navigation and annotation by experts) and a computer aided diagnosis system in order to distinguish between different types of cancers related to the same pathology. All of them will be applied to Whole Slide Images of cutaneous Spitzoid melanocytic tumours.

Planned secondments: The ESR will have her/his main workplace at INCLIVA and Universitat de Valencia, but mandatory secondment periods at different partner institutions are also required:

ROCHE, Spain (3 stays- months M11, M24, M34): Implementation of image analysis for cancer diagnosis and prognosis; Erasmus University Medical Center, Rotterdam, Netherlands (3 stays-months M14-M16): Histopathology and molecular pathology; Stavanger University Hospital, Norway (2 stays- months M27-M28): Whole Slide Imaging ROI selection and digitalization work flow.

ADDITIONAL INFORMATION

Benefits

Full-time 3-year contract with a highly competitive and attractive salary according to regulations of Marie Skłodowska-Curie Actions for Early Stage Researchers.
Enrolment in Doctoral degree(s): ESR12 will enrol in biomedical research doctoral programme at UVEG.
Mobility allowance. Contribution to household, relocation and travel expenses to/from home country.
Family allowance (if applicable). Cost of moving with the family to the recruitment country. Family' means persons linked to the researcher by marriage (or a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised) or dependent children who are actually being maintained by the researcher.

Eligibility criteria

Applicants, at the date of recruitment, must comply with the following conditions:
1. be in the first four years* of her/his research career and not have a doctoral degree.
2. not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country).
* is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited. Master students who finish the master in 2019-2020 could apply for CLARIFY position if they include a letter of commitment to ensure the master's conclusion in 2019-2020 and their enrolment in a PhD program in 2020-2021. The breach of this commitment will be grounds for contract termination.

Selection process

The selective system will consist of the following phases:
a) Merit Valuation Phase and Compliance with the requirements established in the call. Only candidates who have met the essential requirements will be considered.
b) Skills Assessment and interview phase.
After the first phase of merit assessment, candidates selected will proceed with the skills assessment and interview phase.

Additional comments

Documents for the application:

Job application form (download in website)

Cover letter

Curriculum vitae

Written and signed Demonstration of the requirements stated in the job offer (download in website)

Copy of DNI, NIE, Passport

Other relevant information (references, qualifications, etc.)

Résumés and lists of achievement for job calls cannot be submitted electronically. Your documentation must be presented at the INCLIVA Foundation Registry Desk (Registro de la Fundación INCLIVA, Avda. Menéndez Pelayo, 4 acc. 46010 Valencia) or sent by registered mail to the same address.

REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL
Medical sciences: Bachelor Degree or equivalent

REQUIRED LANGUAGES
ENGLISH: Good

Skills/Qualifications

1. Bachelor in Medicine/Physician
2. Medical specialist in Anatomic Pathology/Pathology

Specific Requirements

Merits to quantify in the selection process (0-14 points):

Working experience in Dermatopathology:: 0,75 points per year up to 3 points. Periods less than one year will be prorated of full months.

Proved experience in Digital Pathology (1 point per year up to 2 points. Periods less than one year will be prorated of full months.

Proven experience in application of Artificial Intelligence to Pathology. (1 point per year up to 2 point. Periods of less than one year will be prorated of full months).

Publications on Dermatopathology/Pathology/Digital Pathology (0.2 points per publication up to 2 points).

English level (B2 = 0.5 points, C1 or superior= 1 point).

Personal interview (0-2 points).

Certified disability (disability equal to or greater than 33%, 2 points).

Map Information

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
INCLIVA Biomedical
Research Institute
Spain
Valencia
46010
Avd. Menéndez Pelayo 4,
Accesorio

EURAXESS offer ID: 472333

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