

日本マイコトキシン学会 50 周年記念第 91 回学術講演会プログラム  
Program of the 50<sup>th</sup> Anniversary International Symposium and  
the 91<sup>st</sup> Regular Meeting of Japanese Society of Mycotoxicology

日 時 : 2024 年 8 月 26 日 (月) 15:00 – 18:00、27 日 (火) 9:30 – 16:30  
Date: August 26<sup>th</sup> – 27<sup>th</sup>, 2024

場 所 : ライトキューブ宇都宮 (宇都宮駅東口交流拠点施設) (<https://light-cube.jp/>) 3 階中ホール  
〒321-0965 栃木県宇都宮市宮みらい 1-20  
JR 宇都宮駅直結、徒歩 2 分 (東口)  
Place: Light Cube Utsunomiya, Middle Hall, Utsunomiya, Japan

8 月 26 日 (月) August 26<sup>th</sup>

15:00 受付開始 Registration  
15:30–15:35 開会の辞 Opening remarks  
作田庄平 (世話人)  
Shohei SAKUDA (Chair, Teikyo Univ.)  
荒井正之 (帝京大学理工学部長)  
Masayuki ARAI (Director, Dean of Faculty of Science and Engineering, Teikyo Univ.)

15:35–17:50 50<sup>th</sup> Anniversary International Symposium Part 1 (S1–S5)  
(16:40–17:00 Break)

Chair (S1, S2, S3): Endang S. RAHAYU, Savitree LIMTONG, Shohei SAKUDA

S1 (15:35–15:50) Fifty years of the Japanese Society of Mycotoxicology  
Shohei SAKUDA  
(Teikyo Univ., Japan)

S2 (15:50–16:15) Mycotoxins in Indonesian foods : Occurrence, prevention and control  
Endang S. RAHAYU  
(Univ. Gadjah Mada, Indonesia)

S3 (16:15–16:40) Green control of aflatoxigenic *Aspergillus flavus* by antagonistic yeasts  
Savitree LIMTONG<sup>1</sup>, Sopin JAIBANGYANG<sup>2</sup>, Rujikan NASANIT<sup>2</sup>  
(<sup>1</sup> Kasetsart Univ., Thailand, <sup>2</sup> Silpakorn Univ., Thailand)

16:40–17:00 Break

Chair (S4, S5): Makoto KIMURA, Antonio F. LOGRIECO

S4 (17:00–17:25) Aflatoxin degradation by *Pleurotus eryngii* and laccase enzyme : in vitro and in matrix effectiveness  
Antonio F. LOGRIECO<sup>1,2</sup>, Martina LOI<sup>2</sup>, Giuseppina MULE<sup>2</sup>  
(<sup>1</sup> Biomanufacturing Inst., China, <sup>2</sup> Inst. Sci. of Food Prod., Res. Natl. Council, Italy)

S5 (17:25–17:50) Trichothecene biosynthesis studies: A brief summary and perspective  
Makoto KIMURA  
(Nagoya Univ., Japan)

18:10–20:30 50周年記念パーティー 50<sup>th</sup> Anniversary party  
中ホール Middle Hall

8月27日 (火) August 27<sup>th</sup>

09:00 受付開始 Registration

09:30-10:30 一般講演 (O1-O5) Oral presentation (O1-O5)

座長：福山朋季、谷口 賢

Chair: Tomoki FUKUYAMA, Satoru TANIGUCHI

- O1 (09:30-09:42) 国内市販コーヒーとココア製品のオクラトキシン類の汚染調査  
谷口若奈、大西 杏、白井彩恵、○川村 理  
(香川大・農)  
Survey of ochratoxins contamination in domestic commercial coffee and cocoa products  
Wakana TANIGUCHI, Kyoka ONISHI, Sae SHIRAI, Osamu KAWAMURA  
(Fac. Agric., Kagawa Univ.)
- O2 (09:42-09:54) 小麦中のデオキシニバレノールとオクラトキシンAの同時分析法の開発  
第2報 多機能カラムによる精製法の検討  
○吉成知也<sup>1</sup>、下山 晃<sup>2</sup>、原 有紀<sup>3</sup>、谷口 賢<sup>4</sup>、徳本 脩<sup>5</sup>、廣川有里加<sup>6</sup>、  
佐藤英子<sup>7</sup>、福光 徹<sup>8</sup>、朝倉敬行<sup>9</sup>、立石晶浩<sup>10</sup>、中村 歩<sup>11</sup>、大西貴弘<sup>1</sup>  
(<sup>1</sup>国立衛研、<sup>2</sup>(一財)日本食品検査、<sup>3</sup>三重県保環研、<sup>4</sup>名古屋市衛研、  
<sup>5</sup>(一財)日本穀物検定協会、<sup>6</sup>(一財)食品分析開発センター SUNATEC、  
<sup>7</sup>川崎市健安研、<sup>8</sup>神奈川県衛研、<sup>9</sup>(一財)東京顕微鏡院、  
<sup>10</sup>(一財)マイコトキシン検査協会、<sup>11</sup>(一財)日本食品分析センター)  
Development of an analytical method for simultaneous determination of deoxynivalenol and  
ochratoxin A in wheat Part II Multifunctional column purification  
Tomoya YOSHINARI *et al.*  
(NIHS)
- O3 (09:54-10:06) Evaluation of the susceptibility of artificially inoculated *Ziziphus jujuba* var. *spinosa* seeds to  
aflatoxin contamination  
Abdelrahman ELAMIN, Shohei SAKUDA  
(Dept. Biosciences, Teikyo Univ.)
- O4 (10:06-10:18) 培地によるムギ類赤かび病菌分離のための麦試料の適切な保管条件  
○須賀晴久<sup>1</sup>、勝 友美<sup>1</sup>、川上 拓<sup>2</sup>、久城真代<sup>3</sup>、日恵野綾香<sup>4</sup>、清水将文<sup>5</sup>  
(<sup>1</sup>岐大iGCORE、<sup>2</sup>三重県農業研究所、<sup>3</sup>農研機構、<sup>4</sup>岐大CENSS、<sup>5</sup>岐大応生)  
Appropriate storage conditions of wheat samples for medium isolation of *Fusarium* head blight  
pathogens  
Haruhisa SUGA<sup>1</sup>, Tomomi KATSU<sup>1</sup>, Taku KAWAKAMI<sup>2</sup>, Masayo KUSHIRO<sup>3</sup>, Ayaka HIENO<sup>4</sup>,  
Masafumi SHIMIZU<sup>5</sup>  
(<sup>1</sup>iGCORE, Gifu Univ., <sup>2</sup>Mie Pref. Agr. Res. Ins., <sup>3</sup>Inst. of Food Research, NARO, <sup>4</sup>CENSS,  
Gifu Univ., <sup>5</sup>Fac. Appl. Biol. Sci., Gifu Univ.)
- O5 (10:18-10:30) 生体試料分析によるマイコトキシン曝露評価の試み  
○田島稔基<sup>1</sup>、斎藤 勲<sup>1</sup>、近藤高明<sup>1</sup>、鈴木康司<sup>2</sup>、藤井亮輔<sup>2</sup>、坪井良樹<sup>2</sup>、  
磯部友彦<sup>3</sup>、小西良子<sup>4</sup>、上山 純<sup>1</sup>  
(<sup>1</sup>名大・医・総合保健、<sup>2</sup>藤田医科大・医療・予防医科、  
<sup>3</sup>国環研・環境リスク・健康領域、<sup>4</sup>東農大・応生科・栄養科学)  
Mycotoxin exposure assessment with human biomonitoring  
Toshiki TAJIMA<sup>1</sup>, Isao SAITO<sup>1</sup>, Takaaki KONDO<sup>1</sup>, Koji SUZUKI<sup>2</sup>, Ryouyuke FUJII<sup>2</sup>,

Yoshiki TSUBOI<sup>2</sup>, Tomohiko ISOBE<sup>3</sup>, Yoshiko KONISHI<sup>4</sup>, Jun UHEYAMA<sup>1</sup>  
(<sup>1</sup> Dept. of Integrated Health Sciences, Nagoya Univ, <sup>2</sup> Dept. Prevent. Med. Sci., Fujita Health Univ., <sup>3</sup> Health and Environ. Risk Div., NIES, <sup>4</sup> Dept. of Nutri. Sci. and Food Safety, Tokyo Univ. of Agriculture)

10:30–10:45 休憩 Break

10:45–11:45 一般講演 (O6–O10) Oral presentation (O6–O10)

座長：吉成知也、安藤直子

Chair: Tomoya YOSHINARI, Naoko TAKAHASHI-ANDO

- O6 (10:45–10:57) Studies on the metabolic fate of trichothecene mycotoxin via the mercapturic acid pathway in *Fusarium graminearum*  
Misaki NAGASAKA<sup>1</sup>, Masaya SHIBATA<sup>1</sup>, Ryota HIRAYAMA<sup>1</sup>, Yoshiaki KOIZUMI<sup>2</sup>, Kazuyuki MAEDA<sup>1</sup>, Yuichi NAKAJIMA<sup>1</sup>, Naoko TAKAHASHI-ANDO<sup>2</sup>, Makoto KIMURA<sup>1</sup>  
(<sup>1</sup> Grad. Bioagric. Sci., Nagoya Univ., <sup>2</sup> Toyo Univ.)
- O7 (10:57–11:09) Transcriptional regulation of *Tri6* and *Tri10* trichothecene biosynthesis regulatory genes by genetic and nutritional factors  
Tatsuki KOBAYASHI, Kanta ADACHI, Naotsugu KITAMURA,  
Maydelene Xiao Xuan LIEW, Kazuyuki MAEDA, Yuichi NAKAJIMA, Makoto KIMURA  
(Grad. Bioagric. Sci., Nagoya Univ.)
- O8 (11:09–11:21) *Aspergillus nidulans* ステリグマトシスチン遺伝子クラスター転写因子AflRの細胞内局在  
○松島大陸<sup>1</sup>、ニュエン・フン・タオ<sup>1</sup>、清水公徳<sup>1,2</sup>  
(<sup>1</sup>東理大生シ工、<sup>2</sup>千葉大真菌セ)  
Subcellular localization of *Aspergillus nidulans* sterigmatocystin gene cluster transcription factor AflR  
Riku MATSUSHIMA<sup>1</sup>, Phuong-Thao NGUYEN<sup>1</sup>, Kiminori SHIMIZU<sup>1,2</sup>  
(<sup>1</sup> Tokyo Univ. Sci., <sup>2</sup> Chiba Univ.)
- O9 (11:21–11:33) *Aspergillus nidulans* ステリグマトシスチンクラスター遺伝子*stcH*、*stcT*、*stcX*の機能解析  
○山田康生<sup>1</sup>、ニュエン・フン・タオ<sup>1</sup>、清水公徳<sup>1,2</sup>  
(<sup>1</sup>東理大生シ工、<sup>2</sup>千葉大真菌セ)  
Functional analysis of *Aspergillus nidulans* sterigmatocystin cluster genes *stcH*, *stcT*, and *stcX*  
Kosei YAMADA<sup>1</sup>, Phuong-Thao NGUYEN<sup>1</sup>, Kiminori SHIMIZU<sup>1,2</sup>  
(<sup>1</sup> Tokyo Univ. Sci., <sup>2</sup> Chiba Univ.)
- O10 (11:33–11:45) 日本土壌におけるアフラトキシン生産菌の検出とその由来の検討  
○阪口真央<sup>1</sup>、山下航平<sup>1</sup>、尾寄春菜<sup>1</sup>、山本由香<sup>1</sup>、久城真代<sup>2</sup>、松木 篤<sup>3</sup>、牧 輝弥<sup>4</sup>、  
矢部希見子<sup>1</sup>  
(<sup>1</sup>福井工大・環食応化、<sup>2</sup>農研機構・食研、<sup>3</sup>金沢大学・環日セ、<sup>4</sup>近畿大学・生命科)  
Detection of aflatoxigenic fungi in Japanese soil samples and investigation of their origin  
Mao SAKAGUCHI<sup>1</sup>, Kohei YAMASITA<sup>1</sup>, Haruna OZAKI<sup>1</sup>, Yuka YAMAMOTO<sup>1</sup>,  
Masayo KUSHIRO<sup>2</sup>, Tsuyoshi MATUGI<sup>3</sup>, Teruya MAKI<sup>4</sup>, Kimiko YABE<sup>1</sup>  
(<sup>1</sup> Dep. Appl. Chem. Food Sci. FUT, <sup>2</sup> Inst. of Food Res., NARO.,  
<sup>3</sup> KINET, Kanazawa Univ., <sup>4</sup> Dept. of Biosci., Kindai Univ.)

11:45-13:00 昼食 Lunch

ランチョンセミナー Luncheon seminar

中ホール Middle Hall

L-1 堀場製作所 HORIBA, Ltd.

L-2 アジレント・テクノロジー Agilent Technologies

L-3 MDPI TOXINS

13:00-13:45 ポスター発表 (P1-P14) Poster presentation (P1-P14)

P1 世界の飼料におけるマイコトキシンサーベイ

○Shu GUAN, Masashi ENOKIDA

(DSM)

Occurrence of mycotoxins in Asian feed ingredients during 2023

Shu GUAN<sup>1</sup>, Masashi ENOKIDA<sup>2</sup>

(<sup>1</sup> dsm-firmenich Animal Nutri. Health, Singapore, <sup>2</sup> dsm-firmenich Animal Nutri. Health, Japan.)

P2 日本に流通する飼料中のトリコテセン系かび毒の汚染実態調査

○山上陽平<sup>1,2</sup>, 野村昌代<sup>1</sup>, 青山幸二<sup>1</sup>

(<sup>1</sup>FAMIC・肥飼検、<sup>2</sup>農研機構・食品研)

Survey of trichothecene mycotoxin contamination in animal feed in Japan

Yohei YAMAGAMI<sup>1,2</sup>, Masayo NOMURA<sup>1</sup>, Koji AOYAMA<sup>1</sup>

(<sup>1</sup> Dept. of Fertilizer and Feed Insp., FAMIC, <sup>2</sup> Inst. of Food Res., NARO)

P3 タイ国市販唐辛子のアフラトキシンとオクラトキシンの汚染調査

○Traipak TOPOUNG、川村 理

(香川大・農)

Occurrence of aflatoxins and ochratoxins in commercially available chili peppers in Thailand

Traipak TOPOUNG, Osamu KAWAMURA

(Fac. Agric., Kagawa Univ.)

P4 ニバレノールの低濃度経口曝露は抗原提示細胞におけるMAPKシグナルを直接活性化し、マウスのアトピー性皮膚炎を悪化させる

○松坂怜央<sup>1</sup>、山口広貴<sup>1</sup>、大平智春<sup>1</sup>、栗田智衣<sup>1</sup>、西野友美<sup>2</sup>、野田響子<sup>3</sup>、杉田和俊<sup>4</sup>、久城真代<sup>5</sup>、三宅司郎<sup>2</sup>、福山朋季<sup>1</sup>

(<sup>1</sup>麻布大・獣医薬理、<sup>2</sup>麻布大・食品衛生、<sup>3</sup>お茶の水大・食品貯蔵、<sup>4</sup>麻布大学・公衆第一、<sup>5</sup>農研機構・食品研)

Sub-acute oral exposure to lowest observed adverse effect level of nivalenol exacerbates atopic dermatitis in mice via direct activation of mitogen-activated protein kinase signal in antigen-presenting cells

Reo MATSUZAKA<sup>1</sup>, Hiroki YAMAGUCHI<sup>1</sup>, Chiharu OHIRA<sup>1</sup>, Tomoe KURITA<sup>1</sup>, Tomomi NISHINO<sup>2</sup>,

Kyoko NODA<sup>3</sup>, Kazutoshi SUGITA<sup>4</sup>, Masayo KUSHIRO<sup>5</sup>, Shiro MIYAKE<sup>2</sup>, Tomoki FUKUYAMA<sup>1</sup>

(<sup>1</sup> Pharmacology lab, Vet Med, Azabu Univ., <sup>2</sup> Food and Hygiene lab, Azabu Univ., <sup>3</sup> Chemistry of preservation and processing lab, Ochanomizu Univ., <sup>4</sup> Public Health lab, Azabu Univ., <sup>5</sup> Inst. of Food Res., NARO)

P5 日本におけるアフラトキシン産生菌の分布及び環境応答に関する系統的レビュー

○塚田祐子<sup>1</sup>、久城真代<sup>1</sup>、若月ひとみ<sup>2</sup>、長谷川利拡<sup>2</sup>、西森基貴<sup>2</sup>

(<sup>1</sup>農研機構・食品研、<sup>2</sup>農研機構・農環研)

Systematic reviews of the distribution of aflatoxin-producing fungi in Japan and their responses to environmental factors

Yuko TSUKADA<sup>1</sup>, Masayo KUSHIRO<sup>1</sup>, Hitomi WAKATSUKI<sup>2</sup>, Toshihiro HASEGAWA<sup>2</sup>,

Motoki NISHIMORI<sup>2</sup>

(<sup>1</sup> Inst. of Food Research, NARO, <sup>2</sup> Inst. for Agro-environmental Sciences, NARO)

- P6 Nivalenol系トリコテセンに対するtrichothecene glycosyl transferase (TGT1)の基質特異性の検証  
 ○栗田一輝<sup>1</sup>、小泉慶明<sup>1</sup>、磯間 蓮<sup>2</sup>、長橋秀次<sup>2</sup>、柴田真也<sup>3</sup>、中嶋佑一<sup>3</sup>、前田一行<sup>3</sup>、木村 真<sup>3</sup>、  
 安藤直子<sup>1,2</sup>  
 ( <sup>1</sup>東洋大院・理工、<sup>2</sup>東洋大・理工、<sup>3</sup>名大院・生命農)  
 Substrate specificity of trichothecene glycosyltransferase (TGT1) for nivalenol-type trichothecenes  
 Kazuki KURITA<sup>1</sup>, Yoshiaki KOIZUMI<sup>1</sup>, Ren ISOMA<sup>2</sup>, Syuji NAGAHASHI<sup>2</sup>, Masaya SHIBATA<sup>3</sup>,  
 Yuichi NAKAJIMA<sup>3</sup>, Kazuyuki MAEDA<sup>3</sup>, Makoto KIMURA<sup>3</sup>, Naoko TAKAHASHI-ANDO<sup>1,2</sup>  
 ( <sup>1</sup> Grad. Sch. Sci. Eng., Toyo Univ, <sup>2</sup> Fac. Sci. Eng., Toyo Univ, <sup>3</sup> Grad. Sch. Bioagric. Sci., Nagoya Univ)
- P7 パイナップルの冠芽を用いた*Fusarium venenatum*の培養  
 ○今朝丸歩生<sup>1</sup>、齊藤颯汰<sup>1</sup>、若尾蒼大<sup>1</sup>、山口希代夏<sup>1</sup>、佐々木克葉<sup>2</sup>、松嶋瑞季<sup>2</sup>、安藤直子<sup>1,2</sup>  
 ( <sup>1</sup>東洋大院・理工、<sup>2</sup>東洋大・理工)  
 Cultivating *Fusarium venenatum* using leaf bud of pineapple  
 Ayuki KESAMARU<sup>1</sup>, Sota SAITO<sup>1</sup>, Sodai WAKAO<sup>1</sup>, Kiyoka YAMAGUCHI<sup>1</sup>, Katsuha SASAKI<sup>2</sup>,  
 Mizuki MATSUSIMA<sup>2</sup>, Naoko TAKAHASHI-ANDO<sup>1,2</sup>  
 ( <sup>1</sup> Grad. Sch. Sci. Eng., Toyo Univ, <sup>2</sup> Fac. Sci. Eng., Toyo Univ,)
- P8 食用糸状菌*Fusarium venenatum*の植物性非消化多糖類を用いた培養の試み  
 ○齊藤颯汰<sup>1</sup>、若尾蒼大<sup>1</sup>、今朝丸歩生<sup>1</sup>、佐々木克葉<sup>2</sup>、松嶋瑞希<sup>2</sup>、木村 真<sup>3</sup>、安藤直子<sup>1,2</sup> (   
 ( <sup>1</sup>東洋大院・理工、<sup>2</sup>東洋大・理工、<sup>3</sup>名大院・生命農)  
 Cultivation of edible filamentous fungus *Fusarium venenatum* using plant-based non-digestible polysaccharides  
 Sota SAITO<sup>1</sup>, Sodai WAKAO<sup>1</sup>, Ayuki KESAMARU<sup>1</sup>, Katsuha SASAKI<sup>2</sup>, Mizuki MATSUSHIMA<sup>2</sup>,  
 Makoto KIMURA<sup>3</sup>, Naoko TAKAHASHI-ANDO<sup>1,2</sup>  
 ( <sup>1</sup> Grad. Sch. Sci. Eng., Toyo Univ, <sup>2</sup> Fac. Sci. Eng., Toyo Univ, <sup>3</sup> Grad. Sch. Bioagric. Sci., Nagoya Univ)
- P9 各種*Fusarium*属菌が有するトリコテセン配糖体形成能の検証  
 ○篠崎康一郎<sup>1</sup>、小泉慶明<sup>1</sup>、佐野広空<sup>1</sup>、磯間 蓮<sup>2</sup>、木村 真<sup>3</sup>、安藤直子<sup>1,2</sup>  
 ( <sup>1</sup>東洋大院・理工、<sup>2</sup>東洋大・理工、<sup>3</sup>名大院・生命農)  
 Evaluation of trichothecene glycosylation by various *Fusarium* sp.  
 Koichiro SHINOZAKI<sup>1</sup>, Yoshiaki KOIZUMI<sup>1</sup>, Hiroaki SANNO<sup>1</sup>, Ren ISOMA<sup>2</sup>, Makoto KIMURA<sup>3</sup>,  
 Naoko TAKAHASHI-ANDO<sup>1,2</sup>  
 ( <sup>1</sup> Grad. Sch. Sci. Eng., <sup>2</sup> Fac. Sci. Eng., Toyo University, <sup>3</sup> Grad. Sch. Bioagric. Sci., Nagoya University)
- P10 稲からの微生物の単離とアフラトキシン生産菌への影響  
 ○山下航平<sup>1</sup>、阪口真央<sup>1</sup>、桑島史欣<sup>2</sup>、久城真代<sup>3</sup>、矢部希見子<sup>1</sup>  
 ( <sup>1</sup>福井工大・環食応化、<sup>2</sup>福井工大・電電情工、<sup>3</sup>農研機構・食研)  
 Isolation of microorganisms from rice in the field and their influences on aflatoxin-producing fungi  
 Kohei YAMASHITA<sup>1</sup>, Mao SAKAGUCHI<sup>1</sup>, Fumiyoshi KUWASHIMA<sup>2</sup>, Masayo KUSHIRO<sup>3</sup>, Kimiko YABE<sup>1</sup>  
 ( <sup>1</sup> Dept. Appl. Chem. Food Sci., FUT, <sup>2</sup> Dept. Elect. Eng., FUT, <sup>3</sup> Inst. of Food Res., NARO)
- P11 米ヌカからのアフラトキシン生産菌のスクリーニングと性状検討  
 ○矢部希見子<sup>1</sup>、山口真実<sup>1</sup>、久城真代<sup>2</sup>  
 ( <sup>1</sup>福井工大・環食応化、<sup>2</sup>農研機構・食研)  
 Screening and characterization of aflatoxin-producing bacteria from rice bran  
 Kimiko YABE<sup>1</sup>, Mami YAMAGUCHI<sup>1</sup>, Masayo KUSHIRO<sup>2</sup>  
 ( <sup>1</sup> Dep. Appl. Chem. Food Sci. FUT, <sup>2</sup> Inst. of Food Res., NARO)
- P12 Biphenylカラム特性を用いた*Alternaria*毒素および麦角アルカロイドを含むマイコトキシン網羅的スクリーニング法の開発  
 ○海老原卓也<sup>1</sup>、Shun-Hsin LIANG<sup>2</sup>、Jamie YORK<sup>2</sup>、Joe KONSCHNIK<sup>2</sup>、Justin STEIMLING<sup>2</sup>

(<sup>1</sup> Restek, <sup>2</sup> Restek Corp.)

Development of a comprehensive screening method of *Alternaria* toxins, ergot alkaloid epimers, and other major mycotoxins by biphenyl column.

Takuya EBIHARA<sup>1</sup>, Shun-Hsin LIANG<sup>2</sup>, Jamie YORK<sup>2</sup>, Joe KONSCHNIK<sup>2</sup>,

(<sup>1</sup> Restek, <sup>2</sup> Restek Corp.)

P13 *Fusarium*型トリコテセン生合成における15-deacetylcalonecristinのアセチル化の役割と第二環化反応における重要性

○小泉慶明<sup>1</sup>、中嶋佑一<sup>2</sup>、田中佑弥<sup>2</sup>、松井宏介<sup>2</sup>、坂部将仁<sup>3</sup>、前田一行<sup>2</sup>、佐藤真之<sup>4</sup>、越野広雪<sup>5</sup>、佐藤総一<sup>1,3</sup>、木村 真<sup>2,4</sup>、安藤直子<sup>1,3</sup>

(<sup>1</sup>東洋大院・理工、<sup>2</sup>名大院・生命農、<sup>3</sup>東洋大・理工、<sup>4</sup>理研・DRI、<sup>5</sup>理研・CSRS)

A role in 15-deacetylcalonecristin acetylation in *Fusarium* trichothecene biosynthesis and its importance for the second cyclization

Yoshiaki KOIZUMI<sup>1</sup>, Yuichi NAKAJIMA<sup>2</sup>, Yuya TANAKA<sup>2</sup>, Kosuke MATSUI<sup>2</sup>, Masato SAKABE<sup>3</sup>,

Kazuyuki MAEDA<sup>2</sup>, Masayuki SATO<sup>4</sup>, Hiroyuki KOSHINO<sup>5</sup>, Soichi SATO<sup>1,3</sup>, Makoto KIMURA<sup>2,4</sup>,

Naoko TAKAHASHI-ANDO<sup>1,3</sup>,

(<sup>1</sup> Grad. Sch. Sci. Eng., Toyo Univ., <sup>2</sup> Grad. Sch. Bioagric. Sci., Nagoya Univ., <sup>3</sup> Fac. Sch. Sci. Eng., Toyo Univ.,

<sup>4</sup> DRI., RIKEN, <sup>5</sup> CSRS., RIKEN)

P14 Accurate and non-destructive monitoring of mold contamination in foodstuffs based on whole-cell biosensor array coupling with machine-learning prediction models

Junning MA, Fuguo XING

(Inst. Food Sci. Technol., CAAS, China)

13:45–14:00 休憩 Break

14:00–16:05 50<sup>th</sup> Anniversary International Symposium Part 2 (S6–S10)

Chair: Jens Laurids SØRENSEN, Kraiwut NUALKAW, Tomohiro FURUKAWA, Dimitrios I. TSITSIGIANNIS, Kiminori SHIMIZU

S6 (14:00–14:25) Towards elucidating and understanding the polyketideome in *Fusarium*

Jens Laurids SØRENSEN

(Aalborg Univ., Denmark)

S7 (14:25–14:50) The situation of aflatoxins contamination in feedstuffs in Thailand

Kraiwut NUALKAW

(Ministry of Agriculture and Cooperatives, Thailand)

S8 (14:50–15:15) Exploring the regulatory mechanisms of aflatoxin production : Chemical biology studies on the mode of action of inhibitors and stimulators

Tomohiro FURUKAWA<sup>1</sup>, Masayo KUSHIRO<sup>1</sup>, Hiroyuki NAKAGAWA<sup>1</sup>, Shohei SAKUDA<sup>2</sup>

(<sup>1</sup> NARO, Japan, <sup>2</sup> Teikyo Univ., Japan)

S9 (15:15–15:40) Smart digital technologies to prognose, diagnose and control mycotoxigenic fungi and mycotoxins

Dimitrios I. TSITSIGIANNIS

(Agric. Univ. of Athens Univ., Greece)

S10 (15:40–16:05) Molecular mechanisms regulating sterigmatocystin biosynthesis in *Aspergillus nidulans*

Kiminori SHIMIZU<sup>1,2</sup>, Ryo NONAKA<sup>1</sup>, Aoi HIGASHIMURA<sup>1</sup>

(<sup>1</sup> Tokyo Univ. of Sci., Japan, <sup>2</sup> Chiba Univ., Japan)

- 16:05－16:10 次回第92回学術講演会世話人挨拶 Information of the next meeting  
安藤直子（東洋大学） Naoko TAKAHASHI-ANDO (Toyo Univ.)
- 16:10－16:15 ベストプレゼンテーション賞表彰 Award ceremony
- 16:15－16:20 閉会挨拶 Closing remark  
作田庄平（世話人） Shohei SAKUDA (Chair, Teikyo Univ.)