学会情報（2015.12～2016.5）

（徳島大院医歯薬） 竹内 政樹

Pacifichem 2015
Marriott Waikiki Beach, Hawaii Convention Center (Honolulu, Hawaii, USA) 2015年12月15－20日

ANYL 11 ICFIA history: Promoting international collaborations (University of Washington) Gary Christian

ANYL 12 Blueprint for the universal flow analyzer (University of Hawaii) Jaromir Ruzicka

ANYL 13 Online fractionation and determination of mercury in environmental solids using a sequential injection approach with atomic fluorescence detection (The University of Melbourne) Yanlin Zhang, Manuel Miro, Spas Kolev

ANYL 14 Enhanced chemiluminescence of peroxynitrous acid by carbon nanoparticles and its application in flow injection analysis (Tsinghua University) Jin-Ming Lin

ANYL 15 Measurement of octanol-water partition coefficient by zone fluidics (Firstlabs) Duangjai Nacapricha, Panwadee Wattanasin, Phoonthawee Saetear, Prapin Wilairat, Saowapak Teerasong

ANYL 16 Conducting polymers for bacterial detection: Applications to sensors and trapping agents (Osaka Pref. University) Dung Le, Takamasa Kinoshita, Aya Morishita, Shiho Tokonami, Tomoaki Nishino, Hiroshi Shiigi, Tsutomu Nagaoka

ANYL 17 Monitoring of ppbv-level volatile sulfur compounds by continuous gas absorbing and miniaturized flow analysis method (Kumamoto University) Kei Toda, Shota Yunokihara

ANYL 18 Improvements in flow-injection NMR as a tool for high-throughput sample analysis (Reasearch and Discovery) Paul Krolikowski, Steve Hollis, Roger Kautz, David Strand.

ANYL 19 Flow-based chemical analysis using streams driven by centrifugal force (Kyushu University) Hironori Tagami, Ryoichi Ishimatsu, Koji Nakano, Ying Chen, Zilin Chen, Poomrat Rattanarat, Prinjaporn Teengam, Orawon Chailapakul, Toshihiko Imato

ANYL 80 Advances in high speed ion chromatography (University of Alberta) Charles Lucy

ANYL 81 Over 10 000 peptide identifications from the HeLa proteome using single-shot capillary zone electrophoresis-tandem mass spectrometry (University of Notre Dame) Liangliang Sun, Guijie Zhu, Xiaojing Yan, Yimeng Zhao, Alexander Herbert, Michael Westphall, Matthew Rush, Matthew Champion, Josh Coon, Norman Dovichi

ANYL 82 Ultrarapid determination of Cr(VI) by stop-flow sequential injection analysis coupled with electrochemical detection using polyaniline-graphene quantum dots-modified screen-printed carbon electrode (Chulalongkorn University) Orawon Chailapakul, Eakkasit Punrat, Chakkarin Maksuk, Suchada Chuanuwatanakul, Wanida Wonsawat

ANYL 83 Advances in chemiluminescence detection for flow analysis (Deakin University) Paul Francis

ANYL 84 Flow analyses utilizing periodically varying flow rate: Feedback-based flow ratiometry, and amplitude modulated multiplexed flow analysis (Tokushima University) Hideji Tanaka, Masaki Takeuchi

ANYL 85 Catalytic flow-injection analysis method using oxidation reaction of N-(3-sulfopropyl)-3,3',5,5'-tetramethylbenzidine (Shizuoka University) Makoto Kurihara

ANYL 86 Speciation of heavy metals in soil sample by sequential extraction used all injection system (Gunma University) Hideyuki Itabashi, Masanobu Mori, Masaya Sasaki, Haruka Shinozaki

ANYL 87 Monolith: Its applications to flow chemistry (Brawijaya University) Akhmad Sabarudin

ANYL 157 Microfluidic devices for controlling the environment around dorsal root ganglion neurons and collecting stimulated release of transmitters and peptide (University of Illinois at Urbana-Champaign) Jonathan Sweedler, Emily Tillmaand, Ning Yang, Monika Makurath, Stanislav Rubakhin

ANYL 158 Membraneless vaporization unit coupled with flow analysis system for determination of volatile compounds (Srinakharinwirot University) Nuanlaor Ratanawimarnwong, Thanakorn Pluangklang, Waleed Al-ahmad, Duangjai Nacapricha, Prapin Wilairat

ANYL 159 Instrument-free paper microfluidic flow sensors using a mobile phone for potentiostatic control and electrochemiluminescence detection (La Trobe University) Conor Hogan

ANYL 160 Determination of biological samples by flow analysis and its potential to medical support (Aichi Institute of Technology) Norio Teshima, Hiroya Murakami

ANYL 162 Flow injection analysis of β-secretase activity by using of immobilized recombinant fusion β-secretase and application of the system for the inhibitor (Kanagawa Institute of Technology) Yasuhiro Iida

ANYL 163 Flow immunoassay based on carbon nanodots (Kyushu University) Ryoichi Ishimatsu, Koji Nakano, Toshihiko Imato

ANYL 164 Specific fluid behavior of the mixed solutions in a micro-space and its application (Doshisha University) Satoshi Fujinaga, Masahiko Hashimoto, Kazuhiko Tsukagoshi, Jiro Mizushima

ANYL 425 Microfluidic droplet systems for high-throughput analysis and sensing: Updates on continunous flow analysis (University of Michigan) Robert Kennedy

ANYL 426 Flow analysis based on optical devices fabricated by organic thin films (Kyushu University) Toshihiko Imato

ANYL 427 Spectrophotometric flow injection analyses for the inhibitory assay of xanthine oxidase and the assay of oxidant scavenging capacity (Tokushima University) Toshio Takayanagi, Ayumi Kimura, Keisuke Matsumoto, Tomoki Yabutani

ANYL 428 Electrodialytic ion transfer for sample pretreatment, separation and preconcentration for ionic

solute analysis (Kumamoto University) Shin-Ichi Ohira, Koretaka Nakamura, Takayuki Yamasaki, Purnendu Dasgupta, Kei Toda

ANYL 429 Electrochemical flow-through cell fabricated with track-etched microporous membrane electrodes and its applications in flow analysis (Yamagata University) Hitoshi Mizuguchi

ANYL 430 Bringing flow injection analysis to the semantic web (University of North Florida) Stuart Chalk

ANYL 431 Organic polymer-based monolith for fast, efficient, and environmentally friendly separation of DNA sample (Brawijaya University) Aprilia Tasfiyati, Eko Malis, Setyawan Sakti, Elvina Iftitah, Akhmad Sabarudin

ANYL 432 Fusion of oil droplets in a microfluidic device using optical tweezers (Okayama University) Manami Mitsunobu, Sakurako Kobayashi, Nobuyuki Takeyasu, Takashi Kaneta

ANYL 529 Determination of trace phosphate by ICP/AES using novel polyallylamine type adsorbent packed in column (Kochi Industial Technology Center) Takashi Sumida, Yuya Yano, Minoru Yamashita, Yuka Okazaki, Hirohisa kawakita, Takashi Fukutomi

ANYL 530 Microflow system using PDMS microchip with chemiluminescence detection for investigation of nanoparticle-metal interaction (Mahidol University) Prawpan Inpota, Wutthinan Jeamsaksiri, Witsaroot Sripumkhai, Panya Sunintaboon, Prapin Wilairat, Duangjai Nacapricha, Rattikan Chantiwas

ANYL 531 Application of a flow-injection spin-trapping ESR method for evaluating the alkoxy radical elimination capacity (AREC) of selected antioxidants (University of Miyazaki) Akira Nakajima, Tomoyuki Yamashita, Tomoko Yamaguchi, Kiyoshi Kawai, Yusuke Miyake, Kenji Kanaori, Kunihiko Tajima

ANYL 532 Quartz crystal microbalance sensing of catechin (Kanagawa Institute of Technology) Yumi Kobayashi, Takashi Saito

ANYL 533 Pretreatment of phosphorus compounds by electrogenerated cobalt(III) ions and its evaluation by flow injection analysis (Tokushima University) Hideji Tanaka, Hiroya Kubo, Masaki Takeuchi

ANYL 534 Nitric acid gas generator (Tokushima University) Shinya Nakagawa, Hideji Tanaka, Masaki Takeuchi

ANYL 535 Automatic on-line solid-phase extraction-ICP-MS exploiting sequential injection analysis for ultratrace vanadium determination in human urine sample (Aichi Institute of Technology) Ayaka Inoguchi, Alejandro Ayala Quezada, Hiroya Murakami, Norio Teshima

ANYL 536 Determination of gaseous isoprene by flow injection analysis with a fluorometric detection (Aichi Institute of Technology) Yumika Yoshino, Hiroya Murakami, Norio Teshima

ANYL 538 A flow method for prepararion of a gold nanoparticle-polyamide nanohybrid using reverse micelles adsorbed on glass surfaces (Hiroshima University) Mayuko Takemoto, Tamer Hasanin, Yasuaki Okamoto, Shoji Ishizaka, Terufumi Fujiwara

ANYL 539 Use of a novel chromosensor and sequential injection system for fluorometric determination of mercury(II) (King Mongkut's Institute of Technology Ladkrabang) Nathawut Choengchan, Atchara Petchamnan, Khwanchanok Chantalakhana, Panumart Thongyoo, Duangjai Nacapricha

ANYL 540 Electrochemical flow-through cell fabricated with nanohole shaped gold electrode (Yamagata University) Naoto Yoshikawa, Shinya Sato, Tomomi Sato, Genki Hayakawa, Masamitsu Iiyama, Hitoshi Mizuguchi

ANYL 541 On-line pretreatment flow injection system for direct and simultaneous measurement of iodide and creatinine in human urine (Firstlabs) Jirayu Sitanurak, Prawpan Inpota, Thitirat Mantim, Nuanlaor Ratanawimarnwong, Prapin Wilairat, Duangjai Nacapricha

ANYL 542 Development of the novel FRET substrate for β-secretase activity assay (Kanagawa Institute of Technology) Minoru Adachi, Yasuhiro Iida

Pure and Applied Chemistry International Conference 2016

BITEC (Bangkok, Thailand) 2015年2月9—11日

ANC-O-1556 A water soluble fluorescent sensor based on fluorescein derivative for batch and flow analysis of Cu(II) ion (FIRST labs.) Yordkhun Tachapermpon

ANC-P-0608 The determination of total iron in fertilizer and soil using a cost-effective hydrodynamic sequential injection setup, Miki Kanna

ANC-P-0612 A home-made hydrodynamic sequential injection setup for the determination of manganese in fertilizer, Sarawut Somnam

ANC-P-0850 Development of a portable spectrophotometric device with flow-based analysis system for detection of heavy metal ions, Metida Srikullaphat

ANC-P-1088 Development of spectroelectrochemical flow-cell for determination of caffeine content in beverages, Sutatta Zenso

ANC-P-1092 Simultaneous determination of trace heavy metals in sewage, fertilizer waste and sea water by sequential injection-anodic stripping voltammetry using antimony-graphene oxide modified electrode, Prasongporn Ruengpirasiri

ANC-P-1386 Automatic flow injection spectrophotometric system for determination of phosphate, Jaroon Jakmunee

ANC-P-1498 A biosensor based on alanine dehydrogenase immobilized on Fe3O4@Au nanoparticles for the determination of ammonium ion in concentrated latex samples using flow-injection amperometric system, Preeyanut Butmee

ANC-P-1871 A green analytical method for flow injection spectrophotometric determination of salinity in fish sauce, Kamonthip Sereenonchai

ANC-P-1997 Synthesis and application of ZnS dots to determination of Hg(II) by sequential injection analysis with fluorescence detection, Aurachat lert-itthiporn

ANC-P-2348 Utilization of capacitively coupled contactless conductivity detection with flow analysis system for determination of ammonium and urea in fertilizers, Kenika Khotchasanthong

ANC-P-2380 Determination of nitrate-nitrogen in fertilizers by using flow injection analysis with an in-house nitrate selective electrode, Waritta Taweetong

ANC-P-2700 Simple gas diffusion flow injection system coupled with homemade conductivity detector for determination of dissolved inorganic carbon in water, Waasin Somboot

ANC-P-3086 Sensitivity improvement of on-line gas-liquid separation flow analysis based on use of membraneless vaporization, Nutnaree Fukana

ANC-P-3094 Hydrogen peroxide determination by electrochemical technique couple with flow injection analysis, Nootjarin Inngam

ANC-P-3096 Fabrication of paired emitter-detector diode as flow through optical detector for flow analysis, Pitchnaree Kraikaew

第 76 回分析化学討論会

岐阜薬科大・岐阜大（岐阜市）2016 年 5 月 28，29 日

D1001 Cost effective downscaling sample pretreatment and flow analysis（Chiang Mai Univ.）Kate Grudpan

D1002 現場分析を志向する FIA における前処理デバイスの最適化（小川商会）樋口慶郎

D1003 コンピュータ制御溶液ハンドリング/モバイル化学分析：アンモニア測定の高度化 Brawijaya Univ.，高知大，岡山大，岡山大，岡山大院，山梨大，山梨大院）Hakim, Lukman，樋口慶郎，本水昌二，金田隆，鈴木保任，川久保進

D1004 小型蒸留器を用いた蒸留とフローインジェクション分析法による全シアンの迅速定量（第2報）（共立理化学研，小川商会，岡山大）原知里，上田実，奥村浩，岡内完治，岡内俊太郎，樋口慶郎，本水昌二

D1005 全窒素測定のための小型バッチ分解/FIA（愛知工大，三菱化学アナリテック）作田成久，藤井亮甫，大野慎介，村上博哉，手嶋紀雄，酒井忠雄

D1006 アルデヒド類とアセトンのシーマ法によるオンライン誘導体化／HPLC（愛知工大，Khon Kaen Univ.，東薬大）一杉理香，村上博哉，Ketsarin Seebunrueng，Supalax Srijaranai，梅村知也，手嶋紀雄，酒井忠雄

D1007 SI ラボオンバルブ法による鉄の価数別分析（愛工大，琉球大）足立雅典，植田梨紗子，加藤祥悟，村上博哉，手嶋紀雄，酒井忠雄，喜納兼勇

D1008 HBr 発生装置を用いたポストカラム誘導体化法による微量臭素酸イオンの定量（中部大）井上嘉則

D1009 Sequential injection analysis as an efficient sample pretreatment system for voltammetric determination of some heavy metals（Chiang Mai Univ.）Jaroon Jakmunee

D1010 HPLC ポストカラム法による Fe(III)キレーター分析法の開発とその応用（産総研，東大院）有賀智子，井村祐己，鈴木道生，稲垣和三，吉村悦

D1011 イオンクロマトグラフーポストカラム濃縮法による微量陰イオンの高感度分析（徳島大院）竹内政樹

D1012 高感度 DNA 付加体分析のための前処理手法の確立（愛知工大）村上博哉

D1013 電気透析法によるポストカラムーインライン濃縮（熊大院）大平慎一，梅本亜紗美，榊知弥，桑原良英，戸田敬

D1014 蛍光性カーボンナノドットの抗体への修飾とフローイムノアッセイ法への応用（九大院）石松亮一，中野幸二，今任稔彦

D1015 コンパクトディスク型マイクロチップを用いる流れ分析法における電気化学発光検出法の基礎検討（九大院）郭帥，石松亮一，中野幸二，今任稔彦

D1016 相分離混相流における液液界面の創出と利用法について（同志社大院）仲田祐子，藤永慧，塚越一彦

D1017 高速度鋼中タングステンの ICP-AES 定量のためのホウ酸塩融解による迅速試料調製法の検討（東北大）中山健一，我妻和明

Y1028 電気透析型イオン抽出デバイスを用いた弱酸の分離（群馬大院，熊本大院，原子力機構）佐柄克哉，森勝伸，大平慎一，板橋英之，須郷由美，渡辺茂樹，石岡典子

Y1029 Polymer Inclusion Membrane コーティングカラムを導入したフローインジェクション分析：亜鉛(II)の分離定量（富山大院，The University of Melbourne）加賀谷重浩，松田築，南千香子，大嶋卓巳，源明誠，Robert W. Cattrall，Spas D. Kolev

Y1071 フロークーロメトリーを用いる塩化物イオンと硫化物イオンの分別定量（京工繊大院，京工繊大）長谷部万希，澤田真奈美，福山真央，吉田裕美，前田耕治

P2029 Measurement of carbonyl sulfide (COS) using catalytic hydrolysis by μGas analyzer（熊本大院，大陽日酸）Afnan Mohamed，三木雄輔，廣瀬泰夫，大平慎一，戸田敬

P2030 フィードバック制御フローレイショメトリーと振幅変調多重化フロー分析法（徳島大院，徳島大薬）田中秀治，久保祐哉，尾崎真理，岡佐和子，住友琢哉，竹内政樹

・ 最近の学会・講演会から抜粋しました。
・ 内容が判断できない場合はタイトルに“フローインジェクション”あるいは“フロー”とついているもののみ採択しました。
・ 見落としなどお気付きの点がございましたならお手数ですがご一報下さい。