



Enabling Complex API Syntheses with Engineering Enzymes

KEY WORDS - Directed Evolution | cascade reactions | RNA

David Entwistle Codexis, USA



Advancing Functional Molecule Synthesis

KEY WORDS - low Reaction | Solid-Supported Catalyst | Machine Learning

Takashi Ohshima Kyushu University, Japan



Development of Efficient Catalytic Flow Process: Strategies and Insights

KEY WORDS - Process Development | Continuous Manufacturing (CM) | Fixed-Bed Reactor (FBR)

Eunpyo Hong SK pharmteco SM Asia, South Korea



Enabling Technologies to Drive the MSD Portfolio

KEY WORDS - Technology | Process Research | Biocatalysis

Rebecca Ruck MSD, USA



Beyond the Paradigm: Liquid Phase Synthesis of N-Alkyl Rich Cyclic Peptide from the First ScaleUp Manufacturing

KEY WORDS - Highly Convergent Synthetic Strategy | Epimerization-Resistant Fragment Coupling | Data Chemistry-Based Route Prediction

Hiroshi Iwamura Chugai Pharmaceutical, Japan



Developing Data Science Tools for Synthetic Chemists

KEY WORDS - Data Science | Machine Learning | Catalysis

Matthew S. Sigman University of Utah, USA



Innovations in SHIONOGI Process Chemistry: Scalable Manufacturing

KEY WORDS - Process Development | Scale-Up | Continuous Flow Synthesis

Takahiro Kawajiri SHIONOGI, Japan



Validating Continuous Manufacturing Across Multiple Scales Including

KEY WORDS - Taylor-Couette crystallization | System orchestration | horizontal reactor

Joji Tsurumoto iFactory, Japan



Process Chemistry Realisation for Neglected Tropical Diseases (NTDs) to Achieve

KEY WORDS - NTDs | Safe & Scalable | Cost of Goods | ICH

Anil S. Khile Eisai Pharmaceuticals India, India



Scaling Electrochemistry: From Lab Curiosities to Continuous Processes

KEY WORDS - Flow synthesis | chalcogenide chemistry | reductions

Thomas Wirth Cardiff University, UK



Ligand Development for More Efficient Cu-catalyzed Arylation of Nucleophiles

Dawei Ma Shanghai Institute of Organic Chemistry, China

Speaker reviewing title

Martin Eastgate Bristol Myers Squibb, USA



Process Development Using 3D Metal Printed Reactors and Bayesian Optimization

KEY WORDS - Additive manufacturing | computer aided process development

Daniel Mink InnoSyn BV, The Netherlands

* in alphabetical order

* These titles are current as of February.