

SUNDAY 2 ND JUNE 2019			
13:30 – 14:30	Student Networking Lunch		
14:00 – 15:00	Registration & Welcome Reception		
(Meta) Genomic Nigel Mouncey	cs-Enabled Natural Product D	Discovery	
15:00 – 15:10	Opening Comments		
15:10 – 15:45	Jo Handelsman University of Wisconsin	CHEMICAL DIVERSITY FROM THE SOIL MICROBIOME	
15:45 – 16:10	Nathan McGarvey McMaster University		
16:10 – 16:35	Nadine Ziemert University of Tubingen	COMPUTATIONAL GENOME MINING TOOLS FOR THE DISCOVERY OF BACTERIAL NATURAL PRODUCTS	
16:35 – 17:00	Doug Mitchell University of Illinois at Urbana-Champaign	HIGH-THROUGHPUT RIPP DISCOVERY	
17:00 – 17:15	Nigel Mouncey DOE Joint Genome Institute	EXPANDING THE NATURAL PRODUCTS GALAXY THROUGH METAGENOMICS	
17:15 – 18:00	Refreshments		
18:00 – 18:25	Yi Tang UCLA	NATURAL PRODUCT GENOME MINING IN FUNGI	
18:25 – 18:50	Marc Chevrette University of Wisconsin	MINING MICROBIOMES FOR ANTIMICROBIALS	
18:50 – 19:05	Alison Murray Desert Research Institute	MICROBIOME EXPLORATIONS OF A UNIQUE MACROLIDE- PRODUCING ANTARCTIC ASCIDIAN	
19:05 – 19:30	Alexander Wentzel SINTEF	EXPANDING THE (META)GENOMICS TOOLBOX FOR THE DISCOVERY AND PRODUCTION OF NOVEL NATURAL PRODUCTS FROM MICROBIAL RESOURCES	
19:30 – 19:55	Marnix Medema Wageningen University and Research	COMPUTATIONAL OMICS APPROACHES TO NATURAL PRODUCT DISCOVERY	
19:25 – 19:55	Accompanying Guests Pre-Dinner Welcome Drinks		
19:55	Dinner		



MONDAY 3 RD JUNE 2019				
07:00 - 08:30	Buffet Breakfast at Chula Vista			
Advances in Na Michael Thomas	tural Product Engineering I			
08:30 - 08:55	Dominic J. Campopiano University of Edinburgh			
08:55 – 09:20	Martin Grininger Goethe University Frankfurt	ENGINEERING FATTY ACID SYNTHASES (FASs) FOR CUSTOM COMPOUND SYNTHESIS		
09:20 – 09:35	Stephan Thies Heinrich-Heine-University Duesseldorf	RECOMBINANT BACTERIAL CELL FACTORIES FOR DISCOVERY, TAILORING, AND PRODUCTION OF BIOSURFACTANTS		
09:35 – 10:00	Alison Narayan University of Michigan			
10:00 – 10:45	Group Photo, Refreshments & Poster Viewing			
10:45 – 11:10	Ikuro Abe The University of Tokyo	UNUSUAL ENZYME REACTIONS IN NATURAL PRODUCT BIOSYNTHESIS		
11:10 – 11:25	Anna Lisa Camus ETH Zurich	ACCESSING BACKBONE-MODIFIED NONRIBOSOMAL PEPTIDES THROUGH ENZYME ENGINEERING		
11:25 – 11:50	Alessandra Eustaquio University of Illinois at Chicago			
11:50 – 12:25	Meet the Poster Presenters II Moderators: TBC			
12:25 – 17:00	Group Lunch & Free Time			
Advances in Na Michael Thomas	tural Product Engineering II			
17:00 – 17:25	Wenjun Zhang UC Berkeley	SYNTHETIC BIOLOGY FOR COLIBACTIN IDENTIFICATION AND CHARACTERIZATION		
17:25 – 17:50	Nancy Keller University of Wisconsin	SECRETS TO UNLOCKING THE FUNGAL METABOLOME		
17:50 – 18:15	Gavin Williams North Carolina State University	NEW-TO-NATURE ISOPRENOIDS AND POLYKETIDES VIA PRECURSOR-DIRECTED BIOSYNTHESIS		
18:15 – 18:30	Hajo Kries Leibniz-HKI	BIOSYNTHETIC DESIGN OF NONRIBOSOMAL PEPTIDE BIOSYNTHESIS		
18:30 – 20:15	Poster Session & Refreshments			
20:15	Dinner			



	TUESDAY 4 TH JUNE 2019				
07:00 – 08:30	Buffet Breakfast at Chula Vista				
IV Trends in the Commercialization of Natural Products Charles Moore					
08:30 - 08:55	Richard Baltz CognoGen Biotechnology Consulting	FROM COMPOST TO CAPSULES: MINING FUNGAL GENOMES FOR TRANSFORMATIVE HUMAN THERAPEUTIC			
08:55 – 09:20	Elliot Miller Corteva AgriScience	OVERCOMING STRAIN ENGINEERING CHALLENGES TO INCREASE PRODUCTION OF UK-2A, THE PRECURSOR OF THE FUNGICIDE INATREQ™ ACTIVE			
09:20 – 09:45	Daniel Gray Ginkgo Bioworks	HARNESSING GENOMIC INFORMATION AND SYNTHETIC BIOLOGY TO ENGINEER THE BIOSYNTHESIS OF NOVEL NATURAL PRODUCTS			
09:45 – 10:10	Tyler Backman Lawrence Berkeley National Laboratory	COMPUTER AIDED POLYKETIDE SYNTHASE (PKS) DESIGN			
10:10 – 10:55	Refreshments & Poster Viewing				
10:55 – 11:20	Philippe Prochasson LifeMine Therapeutics	FROM COMPOST TO CAPSULES: MINING FUNGAL GENOMES FOR TRANSFORMATIVE HUMAN THERAPEUTIC			
11:20 – 11:45	Alexandre Zanghelini Arzeda				
11:45 – 12:10	Guy Carter Biosortia Pharmaceuticals	CYANOBUFALINS: NOVEL CARDIOACTIVE TOXINS FROM CYANOBACTERIAL BLOOMS			
12:10 – 12:25	Patrick Gerlinger Max Planck Institute for Terrestrial Microbiology	IDENTIFYING BOTTLENECKS IN AN ENGINEERED POLYKETIDE SYNTHASE			
12:25 – 16:30		Group Lunch & Free Time			
New Tools for C David Mead	Capturing, Manipulating and A	Activating Biosynthesis Pathways			
16:30 – 16:55	Marcus Nett TU Dortmund	GENETIC TOOLS FOR DIRECTING NATURAL PRODUCT BIOSYNTHESIS IN MYXOBACTERIA			
16:55 – 17:20	Yousong Ding University of Florida	IN VIVO AND IN VITRO SYNTHETIC BIOLOGY APPROACHES TO THE PRODUCTION OF HERBICIDAL CYCLIC DIPEPTIDES			
17:20 – 17:45	Anita Loeschcke Heinrich Heine University Düsseldorf	THE P. PUTIDA rRNA OPERONS: EXCEPTIONALLY SUITED CHROMOSOMAL SITES FOR NATURAL PRODUCT GENE CLUSTER EXPRESSION			
17:45 – 18:00	Robert Stankey Varigen Biosciences	NEW TOOLS FOR TARGETED CLONING AND OVER EXPRESSION OF BIOSYNTHETIC GENE CLUSTERS			



18:00 – 18:45	Refreshments & Poster Viewing	
18:45 – 19:10	Michael Smanski University of Minnesota	DESIGNED BIOSYNTHESIS OF A NATURAL PRODUCT OF UNKNOWN ORIGIN
19:10 – 19:35	Tilmann Weber Technical Univ. Denmark	INTEGRATION OF INFORMATICS, METABOLIC ENGINEERING AND SYNTHETIC BIOLOGY FOR THE DISCOVERY AND ANALYSIS OF NATURAL PRODUCTS
19:35 – 20:00	Francisco Barona-Gómez Cinvestav-IPN	EVOLUTIONARY AND ECOLOGICAL (META) GENOME-MINING OF NATURAL PRODUCTS
20:00	Gala Dinner & Poster Awards	

WEDNESDAY 5 TH JUNE 2019				
07:00 – 09:00	Buffet Breakfast at Chula Vista			
Natural Biosynthetic Enzyme Structure and Activity Michael Burkart				
09:00 – 09:25	Martin Schmeing McGill University	STRUCTURES AND FUNCTIONS OF NONRIBOSOMAL PEPTIDE SYNTHETASES		
09:25 – 09:50	Rebecca Goss University of St. Andrews			
09:50 – 10:15	Amy Lane University of North Florida	ASSEMBLY AND MANIPULATION OF BIOSYNTHETIC PUZZLE PIECES YIELDING DIKETOPIPERAZINE NATURAL PRODUCTS		
10:15 – 10:45	Refreshments			
10:45 – 11:10	Sylvie Garneau- Tsodikova <i>Univeristy of Kentucky</i>			
11:10 – 11:35	Jaclyn Winter University of Utah			
11:35 – 12:00	Oleg Tsodikov University of Kentucky			
12:00 – 12:10	Closing Comments			