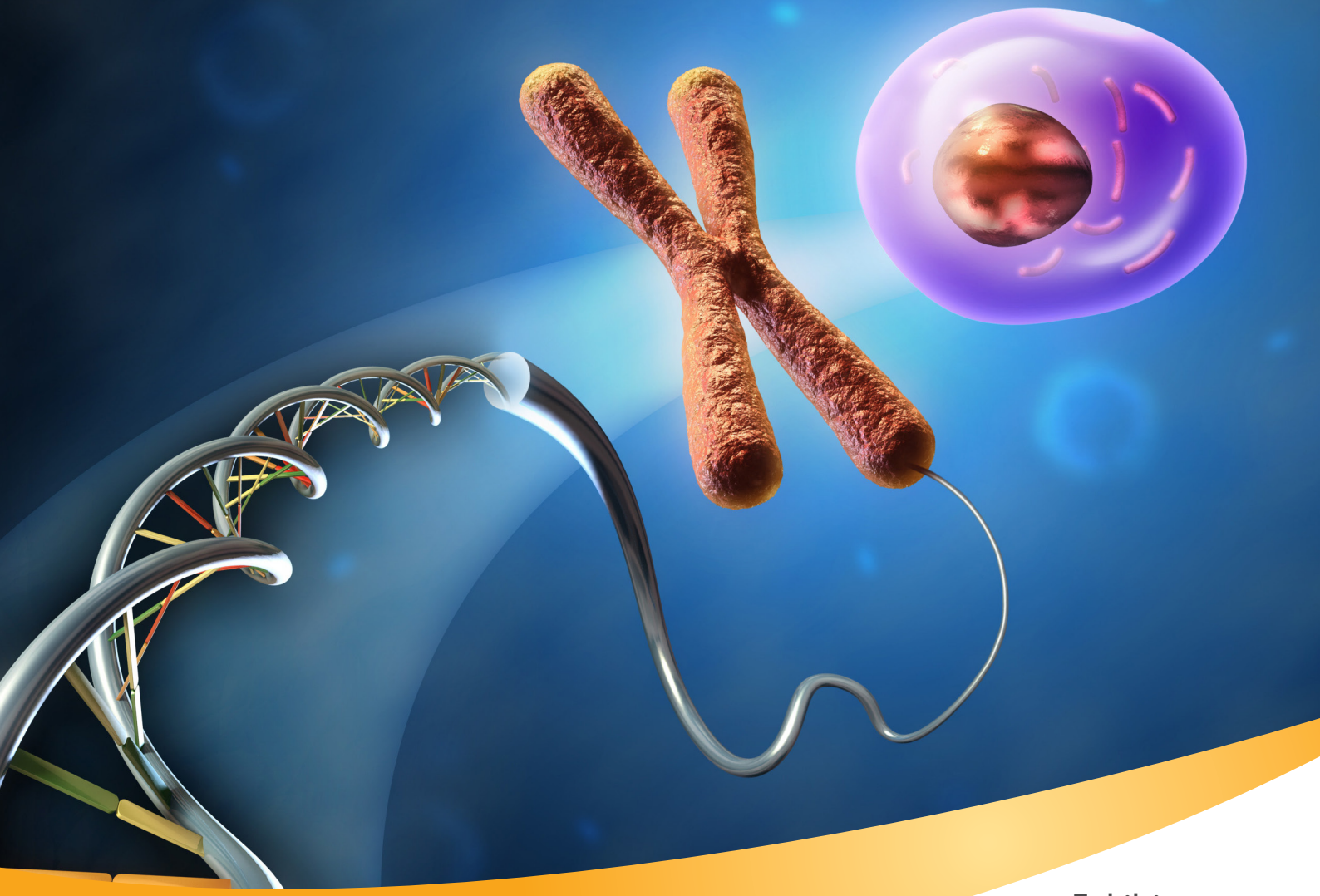
conferenceseries.com

Scientific Program



Exhibitors

PALL ForteBio®

Sericin+ SILK INSPIRED SKINCARE

Joint Conference

3rd International Conference on

Antibodies, Bio Therapeutics & B2B

&

Genetic and Protein Engineering

November 08-09, 2017 | Las Vegas, USA

Conferenceseries LLC - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA P: +1-702-508-5200, F: +1-650-618-1417

Conferenceseries Ltd - UK

Kemp House, 152 City Road, London EC1V 2NX Toll Free: +1-800-216-6499

Day 1 November 08, 2017

08:30-09:00 Registrations

Hall

conferenceseries.com 09:00-09:25 **Opening Ceremony**

Keynote Forum

09:25-09:30 **Introduction**

09:30-10:00 **Title: Digital biomanufacturing supports mAb production**
William Whitford, GE Healthcare, USA

10:00-10:30 **Title: Engineering a 30-year-old intracellular channel: Twitching a voltage sensor with a taste of pharmacology**
Robert M Stroud, University of California San Francisco, USA

Panel Discussion

Sessions:
Antibody Engineering | Antibodies: Medical Applications | Immunotherapy and Immune Checkpoints | Protein Engineering | Genetic Engineering

Session Chair: William Whitford, GE Healthcare, USA

Session Co-Chair: Itai Benhar, Tel Aviv University, Israel

10:30-10:55 **Title: The gene expression evidence-base and its relevance to translational applications including prevention**
Ron L Martin, Nutrigenetics Unlimited, Inc., USA

Panel Discussion

Group Photo

B2B, Networking & Refreshment Break 10:55-11:15 @

11:15-11:40 **Title: Nano-assembly of amyloid β peptide: Role of the hairpin fold**
Yuri L. Lyubchenko, University of Nebraska Medical Center, USA

11:40-12:05 **Title: *De novo* design and characterization of circular tandem repeat proteins**
Barry L Stoddard, Fred Hutchinson Cancer Research Center, USA

12:05-12:30 **Title: BioTethering: A novel approach to engineering therapeutics proteins**
Erik D Foehr, BioTether Sciences, USA

12:30-12:55 **Title: Endotoxin reduction in protein solutions using octyl β-D-1-thioglucopyranoside wash on chromatography media**
Dhanesh Gadre, MedImmune LLC, USA

Panel Discussion

B2B, Meet the Exhibitor & Lunch Break 12:55-13:45 @

13:45-14:10 **Title: High-level soluble expression, purification and characterization of active human midkine from *Escherichia coli***
Kelly Yan, Novartis Institutes for BioMedical Research, USA

14:10-14:35 **Title: Novel signal peptides improve the secretion of recombinant *Staphylococcus aureus* Alpha toxin$_{H35L}$ in *Escherichia coli***
Soojin Han, MedImmune LLC, USA

14:35-15:00 **Title: Histocompatibility leukocyte antigens specific antibodies: Characteristics, detection, and clinical relevance**
Andrew L Lobashevsky, Indiana University, USA

15:00-15:25 **Title: A modular platform for targeted RNAi therapeutics using biologically-lipidated antibodies**
Itai Benhar, Tel Aviv University, Israel

15:25-15:50	**Title: ProxiMAX randomization: Precision antibody engineering** **Anna V Hine,** Aston University, UK
15:50-16:15	**Title: Design of PDZ domain specificity** **Ernesto J Fuentes,** University of Iowa, USA
	Panel Discussions 17:00-17:15
	B2B, Meet the Exhibitor, Networking & Refreshment Break 16:15-16:45
16:45-17:10	**Title: Polymorphism and asymmetry in crystal structures of three aspartate transcarbamoylase "activated-state" holoenzyme variants: Implications for the mechanism of allosteric control by ATCase** **James A. Endrizzi,** SuperNova C, USA
17:10-17:35	**Title: Improved illumina sequencing by polymerase engineering** **Seth McDonald,** Illumina, Inc., USA
17:35-18:00	**Title: Immunological detection of antibiotic residues using antibody engineering** **Xiaoying Zhang,** Northwest Agriculture and Forestry University, China
	Panel Discussions
	Young Research Forum
18:00-18:20	**Title: PD-L1 assays: An update on FDA-approvals and uses with companion immunotherapies** **Steven Alexander Mann,** Indiana University School of Medicine, USA
18:20-18:40	**Title: Mathematical modeling of purified L-asparaginase activity from axenic cultures of *actinobacteria* isolated from the Arauca riverbank** **Estefanía Arévalo-Tristancho,** Universidad de La Sabana, Colombia

Day 2 November 09, 2017

Hall

Keynote Forum

10:00-10:30	**Title: Intrinsically disordered proteins link alternative splicing and post-translational modifications to complex cell signaling and regulation** **A Keith Dunker,** Indiana University , USA
10:30-11:00	**Title: The protein folding problem: An optimization approach** **Abdellah Salhi,** University of Essex, UK

Panel Discussions

B2B, Meet the Exhibitor, Networking & Refreshment Break 11:00-11:20

Sessions:
Antibody Engineering | Antibodies: Medical Applications | Immunotherapy and Immune Checkpoints | Antibody Drug Therapy | Bio Therapeutics: Novel Formulation and Delivery Approaches | Protein Engineering | Genetic Engineering

Session Chair: Christopher H Gray, CRUK Beatson Institute, UK

Session Co-Chair: Karen Bunting, Albumedix Ltd, UK

11:20-11:45	**Title: Engineering linkage-specific polyubiquitin antibodies as tools for elucidation of novel signaling pathways** **Marissa L Matsumoto,** Genentech, Inc., USA
11:45-12:10	**Title: A rationally designed mutant of plasma platelet-activating factor acetylhydrolase hydrolyzes the organophosphorus nerve agent soman** **Stephen D Kirby,** U.S. Army Medical Research Institute of Chemical Defense, USA
12:10-12:35	**Title: Harnessing and enhancing the natural properties of albumin as a drug carrier by rational protein engineering** **Karen Bunting,** Albumedix Ltd., UK
12:35-13:00	**Title: Accelerating protein production; High efficiency tags, fusions and automated purification** **Christopher H Gray,** CRUK Beatson Institute, UK

Panel Discussion	
B2B, Meet the Exhibitor & Lunch Break 13:00-13:50	
13:50-14:15	**Title: Purification and characterization of antibody therapeutics: Challenges and solutions during lead candidate selection** **Haiyan Jiang**, Janssen BioTherapeutics, USA
14:15-14: 40	**Title: Antibody development updates for users of bio-layer interferometry kinetics comparison to SPR and high-throughput quantitation of bioprocess residuals** **Jeff Mihailoff**, Pall ForteBio LLC, USA
14:40-15:05	**Title: Developing and manufacturing the next generation of bioconjugates** **Thomas Rohrer**, Lonza Pharma & Biotech, USA
15:05-15:30	**Evolution of Bt proteins overcomes Bt resistance in insects** **Victor Guzov**, Monsanto Company, USA
15:30-15:55	**Title: Predicting, avoiding and mitigating risk of failure when developing biotherapeutics** **Yvette Stallwood**, Lonza Biologics, UK
15:55-16:20	**Title: Antibodies against retinal antigens as promising options for diagnosis and treatment of neurodegenerative diseases such as Glaucoma** **Franz Grus**, Johannes Gutenberg University, Germany
Panel Discussions	
B2B, Meet the Exhibitor, Networking & Refreshment Break 16:20-16:50	
16:50-17:15	**Title: ProxiMAX and MAX randomization: Precision protein engineering** **Anna V Hine**, Aston University, UK
17:15-17:40	**Title: Antibody hit discovery using yeast surface display** **Stefan Zielonka**, Merck KGaA (EMD Serono), Germany
17:40-18:05	**Title: The value of the serum antibodies detection for the diagnosis of human hydatidosis** **Lia Monica Junie**, Iuliu Hatieganu University of Medicine and Pharmacy, Romania
18:05-18:30	**Title: Association mapping for drought toleranc and fruit yield in cultivated and related species of tomato (*solanum* spp.)** **D L Savithramma**, University of Agricultural Sciences, India
Panel Discussion	
Poster Sessions 18:30-19:00	
P 01	**Comparison of three human B cell isolation tools for the development of the antibodies neutralizing emerging infectious viruses** **Hansaem Lee**, Korea Centers for Disease Control & Prevention, Republic of Korea
P 02	**Selection and characterization of MERS-CoV spike antibodies from Korean MERS recovered proteins** **Hye-Min Woo**, Korea Centers for Disease Control & Prevention, Republic of Korea
P 03	**Integrated workflow for rapid and low-cost affinity purification of recombinant proteins** **Robert Snyder**, Proteios LLC, USA
P 04	**Characterization of the *Bgs13* protein's role in the super-secretion of recombinant peptides in the yeast *Pichia pastoris*** **Geoff P Lin-Cereghino**, University of the Pacific, USA
P 05	**Repurposing dasatinib for ibrutinib-resistant diffuse large B-Cell lymphoma** **Sandeep Mittan**, Columbia University Medical Center, USA
P 06	**Production of enzymatically active human SKIP for the development of tools to study phosphatidylinositol signaling pathways** **Somer L Doody**, Innovabio, USA
Panel Discussion	
Award Ceremony & Best Poster Award Sponsored by Pall ForteBio LLC	
Exhibition Timings	
Starts at 09:00	
Ends at 19:00	
Thanks giving & Closing Ceremony	