

Comparing Probiotic Plate Count Methods

June 16, 2022, 10:00 am • 12:30 pm ET
Virtual Meeting



Speaker Biographies

KIT GOLDMAN, Ph.D.

Senior Director, Dietary Supplements and Herbal Medicines

Currently, Senior Director leading the Dietary Supplement and Herbal Medicine Science Team, joined USP as Director of Standards Development for Dietary Supplements in February 2017. Her research has ranged from basic research on photosynthetic mechanisms to developing safer herbicides to studies on the mechanism of action of low molecular weight heparin. She has worked on developing, launching, and technical supporting products from brands such as Neosporin, Bengay, and Purell and developing and supporting Class I and Class II medical devices. Her experience also includes responsibility for manufacturing operations and supply chain.

Kit received her B.S. from Duke University, her Ph.D. from The University of Michigan, and conducted postdoctoral research at the University of Illinois.



PIERRE BURGUIÈRE, Ph.D.

Probiotic Expert Panel Member and R&D + Innovation executive leadership – Strategic Senior Advisor

Proven expert with international experience in probiotics, biotherapeutics & microbiome with a track record of translating science into business solutions.

A microbiologist by training, Dr. Pierre Burguière has worked for global leaders of different sizes, from avant-garde biotech start-ups to major multinational groups, where he held different transversal positions, including large and multicultural team management roles. He currently acts as an independent senior advisor to deliver global strategies for R&D and M&A in the field of molecular diagnostics and industrial microbiology. He also gives industrial microbiology lectures to BSc and MSc students in French and Canadian universities.

In 2018, Dr. Burguière founded AMA Research Solutions, an innovation-driven start-up helping clients access Advanced Microbial Analytics expertise through unique cutting-edge flow cytometry strategies for microbiology applications.

Dr. Burguière earned a Ph.D. in Microbiology & Molecular Biology from University Paris Diderot, where he conducted fundamental research on microbial sulfur metabolism and its regulation at the Pasteur Institute.

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Up to now, Dr. Burguière has co-authored 10+ peer-reviewed scientific research articles. He has been invited to present 40+ lectures & posters and chair dedicated sessions at various international conferences.

Dr. Burguière is a member of the U.S. Pharmacopeial Convention Expert Panel on Probiotics and the French Association for Cytometry (Board of Directors member for 1y.); former member of the AOAC International and former International Dairy Federation delegate for France.

Skills & Expertise

- Research programs design & conduction
- Budget management Talent & high-performing team development
- Risk assessment
- Safety & toxicology evaluation
- Bioanalytical methods development, validation & implementation/transfer Potency assays
- Advanced microbial analytics
- Curiosity, flexibility & adaptability



CHRISTINA VEGGE, Ph.D., MSc Pharm

Probiotic Expert Panel Member

Christina Vegge holds a master's degree in pharmaceutical sciences and a Ph.D. in molecular microbiology. As a Postdoc and Associate Professor at Copenhagen University, Dr. Vegge has investigated phage-host interactions, antibiotic resistance, and environmental adaptation of pathogenic and lactic acid bacteria. Her profound knowledge in microbial physiology is the foundation for working with analytical development for probiotics and live biotherapeutic products, initially as a Sr. scientist at Chr. Hansen and subsequently as Head of Analytical Development at Bacthera. Dr. Vegge is currently heading a department exploring Bacterial physiology and mode of action studies at Chr. Hansen. Motivation for membership of the USP Expert Panel on Probiotics: "I am excited to contribute to identifying scientifically sound and realistic analytical requirements for live bacterial products."

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JEAN L. SCHOENI, Ph.D.

Vice-Chair, Probiotic Expert Panel, and a Member of the Non-Botanical Dietary Supplements Expert Committee

Dr. Jean Schoeni, a microbiologist with over 40 years of experience, uses the science and skills she has gathered from the University of Wisconsin – Madison, employers ranging from research laboratories to start-ups and international companies, and from visiting manufacturing plants to help clients resolve their questions and concerns about probiotics and foodborne pathogens. Most of her work falls within safety, enumeration, and product development categories. Jean currently works with Eurofins as a scientific fellow and is an independent consultant. At USP, she is the vice-chair of the Probiotics Expert Panel, the Enumeration sub-team lead, and a member of the Non-Botanical Dietary Supplements Expert Committee.



JANE WEITZEL

Chair, Measurement and Data Quality Expert Committee, and Probiotic Expert Committee Member

Jane Weitzel has worked in analytical chemistry for over 40 years for pharmaceutical and mining companies. She was elected to the United States Pharmacopeia Council of Experts as chair of the 2020-2025 General Chapters–Measurement and Data Quality Expert Committee. Jane is chair of the USP Quality Advisory Group. She was a member of the USP 2015-2020 Statistics Expert Committee and is a member of the USP Expert Panel on Method Validation. She has been the Director of pharmaceutical Quality Control laboratories. She has experience with many different regulatory environments.

She is currently a consultant specializing in laboratory management systems, GMP testing, and ISO/IEC 17025. She is an auditor and an educator. Jane has applied Quality Systems and statistical techniques, including the evaluation and use of measurement uncertainty, in a wide variety of technical and scientific businesses. Recently she has been focusing on the implementation of the new USP General Chapter <1220> Analytical Procedures Life Cycle.

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BINU KOSHY, Ph.D.

Senior Scientist II, Dietary Supplements and Herbal Medicines

Binu Koshy joined USP as a Scientific Liaison in 2019. Before joining USP, Binu worked under various capacities at Tishcon Corp., an FDA-inspected dietary supplement manufacturing facility in Salisbury, Maryland. He joined Tishcon as a Senior Microbiologist and was later promoted to QC Lab manager and then to Director, Quality Control, responsible for managing the Quality unit. He has vast experience in product formulation and testing dietary supplement products. After joining USP, he worked in the dietary supplements group on developing new and modernizing existing USP monographs, especially probiotics and proteins.

Binu received his Ph.D. in Biological Sciences from the Indian Institute of Science (IISc), India. He completed his postdoctoral research in IISc, where he studied the differential gene expression pattern in *Candida albicans* and *Saccharomyces cerevisiae* under stress conditions using Microarray.