

A photograph of three surgeons in an operating room, wearing blue scrubs and surgical masks, focused on a procedure under bright overhead lights.

charles river

Stronger Science

Every step of the way

SOCIETY OF TOXICOLOGY | MARCH 12-16, 2017 | BALTIMORE, MD

A photograph of a woman with short brown hair, smiling warmly. She is wearing a white lab coat over a purple top. The background is a bright, out-of-focus laboratory setting.

The Science Circle

Hot coffee. Power for your mobile. Stronger science. Get all three from Charles River at booth 1825. Our Science Circle experts are eager to field your questions and share latest news in drug development. Pull up a chair and learn how stronger science can help you tackle your toughest challenges and accelerate your trip to market.

Here are just a few of the people you'll meet:

Elizabeth Groeber, PhD
Director, Bioanalytical Chemistry

Marie-Soleil Piché, MSc, PhD
Scientific Director, Immunology

George Parker, DVM, PhD
Senior Scientific Director, Pathology

Aurore Varela, DVM, MSc, DABT
Scientific Director, Musculoskeletal
Research & Imaging

Clive Roper, PhD
Head of *In Vitro* Sciences

Jeannette Paulussen, PhD
Head of Regulatory Affairs

Brian Roche, MEd, PhD
Director, Pharmacology Discovery Services

A photograph of a young girl with a blue headscarf, smiling and holding a large, white, fluffy stuffed rabbit. The background is a soft, out-of-focus indoor setting.

Make a Difference

Check in at the Science Circle and we'll make a \$5 donation on your behalf to a local nonprofit organization, the Believe in Tomorrow's Children Foundation. Together we can make a difference.

Agenda At-A-Glance

SUN12

7:00 a.m. – 7:45 a.m.

CONTINUING EDUCATION COURSE | Sunrise Mini-Course (SR01) | Molecular Imaging for Toxicologists

MON13

12:30 p.m. – 1:50 p.m.

ROUNDTABLE SESSION | Bias and Conflict of Interest in Conducting Research and Risk Assessments: Perspectives from Academia, Government, Industry, and Others | Managing COI and Bias in a CRO Setting

1:30 p.m. – 2:30 p.m.

EXHIBITOR SESSION | Room 340 | Beyond REACH

TUES14

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P161 | Triple Cannulation Approach for Biodistribution Studies of Neurologically Active Compounds in Large Animals*

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P164 | Development of a Phototoxicity Testing Strategy for Accurate Photosafety Evaluation of Pharmaceuticals Based on the Assessment of Possible Melanin Binding Effects

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P166 | The Incidence of Rodents Rejected from Nonclinical Toxicology Studies Due to Ophthalmology Findings

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P168 | Comparison of Early Morning Versus Overnight Pan Collection for Urine Assessment in Large Animals*

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P169 | Urine Collection for Group-Housed Mice in Toxicology Studies Using the LabSand® Techniques – an Alternative Method

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P170 | Comparison of the Long-term Effects on Survival, Body Weight, and Food Consumption in Two Strains of Rats Used in Toxicology Studies Given Diets of 14% or 18% Protein Content

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P201 | A Comparison of Selected Organ Weights and Clinical Pathology Parameters in Male and Female CD-1 and CByB6F1 Hybrid Mice 12-14 Weeks in Age

9:30 a.m. – 12:45 p.m.

POSTER | Session: Immunotoxicology | P656 | Evaluation of T Cell-Dependent Antibody Responses in Large Animals Treated with an Immunossuppressor or Immunostimulant, Using Two Antigens*

9:30 a.m. – 12:45 p.m.

POSTER | Session: Pharmaceutical Safety: Drug Development | P657 | Humanized Monoclonal Antibody-Mediated Inhibition of NK Cell Detection by Flow Cytometry in Large Animals*

10:30 a.m. – 11:30 a.m.

EXHIBITOR SESSION | Room 340 | Quantitation of Biotherapeutics by LC/MS: Finding Its Groove in Preclinical Toxicology

1:15 p.m. – 4:30 p.m.

POSTER | Session: Biomarkers | P121 | Validation of an Electrochemiluminescence (ECL) Method for the Quantitation of Calcitonin in Rat Serum

1:15 p.m. – 4:30 p.m.

POSTER | Session: Skin | P508 | Optimization of the Direct Peptide Reactivity Assay (DPRA) for Poorly Soluble Substances

1:15 p.m. – 4:30 p.m.

POSTER | Session: Skin | P510 | Evaluation of the Effect of Occlusion on the Absorption of the Reference Test Item, [14C]-Testosterone, Applied to Human Skin *In Vitro*

3:00 p.m. – 4:00 p.m.

EXHIBITOR SESSION | Room 340 | Trends, Trials and Triumphs in *In Vitro* Toxicology

WED15

9:00 a.m. – 10:00 a.m.

EXHIBITOR SESSION | Room 340 | Quantitative Measures Associated with DNA and RNA Therapeutics

1:15 p.m. – 4:30 p.m.

POSTER | Session: Alternatives to Mammalian Models I: Liver, Ocular, and Skin Alternatives | P105 | Skin Sensitization Testing Strategy and In-House Fit-for-Purpose Validations at Charles River Laboratories

1:15 p.m. – 4:30 p.m.

POSTER | Session: Inflammation in Disease | P527 | Cyclosporine A (CsA) Partially Prevents Progression of Colitis in an Acute DSS-Induced Mouse Model

THUR16

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 1 | P244 | Analytical Methods Development for Polymeric Materials in Biological Fluids Using High Performance Liquid Chromatography with Tandem Mass Spectrometric Detection (HPLC-MS/MS)

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 1 | P248 | Predicting Cardiac Risk of Anticancer Drugs: A Role For Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 1 | P249 | Reversible Fur and Skin Pigmentation Changes in Large Animals and Long Evans Rats Following the Administration of AZD3293, a Novel β -Secretase Inhibitor*

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 1 | P253 | Development of an Automated High-Throughput LC/MS/MS Method for the Analysis of a Neurotransmitter Panel in Mouse Striata

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 2 | P315 | Benefits and Limitations of Positron Emission Tomography-Computed Tomography (PET-CT) and Magnetic Resonance Imaging (MRI) in Mice

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 3 | P327 | Development and Qualification of a Mass Spectrometric Immunoassay for Identification and Quantification of Wild-Type and Mutant Transthyretin in Human Serum

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 4 | P378 | Are Satellite Rats Needed for Toxicokinetic Assessment in Embryo-Fetal Development Studies?

8:30 a.m. – 11:45 a.m.

POSTER | Session: Late-Breaking Poster Session 4 | P387 | Placental Transfer Investigation of a Monoclonal Antibody in the Pregnant Mouse Using Microsampling-Coupled Bioanalysis

* Title altered due to sensitive information.

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