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653<sup>rd</sup> Conference

*Scientific Program*

2<sup>nd</sup> International Conference & Exhibition on

# **Tissue preservation and Bio-banking**

September 12-13, 2016 Philadelphia, USA



**Hosting Organizations: Conference Series LLC**

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08:30-09:00 Registrations

## Independence-A

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09:00-09:30

# Opening Ceremony

## Keynote Forum

- 09:30-10:00 **Title: Ice-free banking by vitrification of tissues**  
Kelvin GM Brockbank, Tissue Testing Technologies LLC, USA
- 10:00-10:30 **Title: The Quebec procure prostate cancer biobank: A unique resource for comprehensive studies of the disease**  
Simone Chevalier, McGill Urology Director of Research, Canada
- 10:30-10:50 **Title: Biospecimen repository genomic annotations in the precision medicine era**  
Stephen C Peiper, Thomas Jefferson University, USA

Networking & Refreshment Break: 10:50-11:10 @ Foyer

### Exhibitor hosted session

- 11:10-11:30 **Title: SLims: Your out-of-the-box biobank management solution**  
Veronica Ponce de Leon, Genohm Inc, USA
- 11:30-11:50 **Title: Automated sample management products for tissue preservation and biobanking**  
Paul Murphy, Hamilton Storage, USA

### Workshop

- 11:50-12:40 **Title: Marketing strategies for biobanking support & advances**  
Elena Salvaterra, Air liquide Sanità Service, Italy

Sessions:

**Biobanking | Biorepository & Biospecimen | Tissue Engineering | Cryopreservation Methods | Vitrification | Brain Banking**

**Session Chair: Kelvin GM Brockbank, Tissue Testing Technologies LLC, USA**

**Session Co-Chair: Simone Chevalier, McGill Urology Director of Research, Canada**

### Session Introduction

- 12:40-13:00 **Title: Fully annotated PDX library as a live and renewable biobank to support biomarker discovery and guide precision treatment**  
Henry Li, Crown Bioscience Inc, USA

Lunch Break: 13:00-14:00 @ Benjamin's Restaurant

- 14:00-14:20 **Title: Sample location and enhanced distribution (SLED): An informatics for integrating biology and the bedside (i2b2)-based system for biorepository data management**  
Mary A Hall, UT health sciences, USA
- 14:20-14:40 **Title: Development of novel devices and strategies for the improved cryopreservation of cell products**  
John Baust, CPSI Biotech, USA
- 14:40-15:00 **Title: Data harmonization is the initial step on the desire to share biospecimen and data across birth cohort studies for more collaboration**  
Charles W Wang, Shanghai Jiao Tong University, China
- 15:00-15:20 **Title: Biobanking with histological annotation: A 3000 prostate tissue repository**  
Xiaopu Yuan, Cedars-Sinai Medical Center, USA
- 15:20-15:40 **Title: Vascular surgery tissue biobanking for the analysis of human peripheral arterial atherosclerotic occlusive disease**  
Mohamed Zayed, Washington University School of Medicine, USA
- 15:40-16:00 **Title: A consolidated network to procure fresh liver tissue for hepatocytes isolation: Spanish experience**  
Estephan Arredondo Córdova, DTI Foundation, Spain

Networking & Refreshment Break: 16:00-16:20 @ Foyer

- 16:20-16:40 **Title: Autologous human plasma in stem cell culture and cryopreservation in the creation of a tissue-engineered vascular graft**  
Ping Zhang, Thomas Jefferson University, USA
- 16:40-17:00 **Title: Kinetic cryoprotectant free vitrification using KrioBlast™ system: A promising “Universal technology of cryopreservation and cryobanking”**  
Igor I. Katkov, Belgorod National Research University, Russia
- 17:00-17:20 **Title: Validation-verification of a highly effective, practical human testicular tissue *in vitro* culture-cryopreservation procedure optimizing pre-freeze and post thaw motility**  
Mitchel C Schiewe, Ovagen Fertility, USA
- 17:20-17:40 **Title: Limbo™ cryovial, an innovative methodological approach towards standardization**  
Roberto Hernan, Cellulis, Spain
- 17:40-18:00 **Title: Cryopreservation and replantation of amputated rat hind limbs**  
Bo He, The First Affiliated Hospital of Sun Yat-sen University, China

### Panel Discussion

Day 2 September 13, 2016

### Independence-A

### Keynote Forum

- 09:00-09:30 **Title: Biobanks as a pivotal research infrastructure in precision medicine**  
Fiorella Guadagni, San Raffaele Rome University, Italy
- 09:30-10:00 **Title: Applying the KISS principle with vitrification: Safety and quality control concerns in assisted reproductive technologies**  
Mitchel C. Schiewe, Ovagen Fertility, USA
- 10:00-10:30 **Title: Mechanical stress and structural integrity in vitrification**  
Yoed Rabin, Carnegie Mellon University, USA

### Workshop

- 10:30-11:10 **Title: A methodological approach to cryopreservation; Limbo™ Technology**  
Roberto Herman, Cellulis Ltd, Spain

Networking & Refreshment Break: 11:10-11:30 @ Foyer

Sessions:

**Biobanking | Stem Cell Biobanking | Biobank in Genomics | Cryopreservation Methods | Vitrification | Biobank Applications**

**Session Chair: Charles W Wang, Shanghai Jiao Tong University, China**

**Session Co-Chair: Yaffa Rubinstein, National Institute of Health, USA**

### Session Introduction

- 11:30-11:50 **Title: Pre-analytical variables in fluid biospecimen biobanking**  
Christina Ellervik, Boston Children's Hospital, USA
- 11:50-12:10 **Title: Pre-freezing factors with potential impact on the safety and quality of allogeneic transplantation of cryopreserved vascular grafts retrospective analysis**  
Pavel Mericka, Tissue Bank University Hospital, Czech Republic
- 12:10-12:30 **Title: Iranian tissue bank: Past, present and future**  
Mitra Mahdavamazdeh, Iranian Tissue Bank & Research Center, Iran
- 12:30-12:50 **Title: Interoperability of bio-repositories data and patient registries data: The rare disease prospective**  
Yaffa Rubinstein, National Institutes of Health, USA

### Special talk

- 12:50-13:10 **Daniel J. Rader, University of Pennsylvania, USA**

Lunch Break: 13:10-14:10 @ Benjamin's Restaurant

- 14:10-14:30 **Title: Novel partnering strategies to foster biorepository sustainability**  
Devon Kelly, Oregon Health and Science University, USA
- 14:30-14:50 **Title: Introducing SPREC in a software for Biobank**  
Daniele Mondello, San Raffaele Roma Open University, Italy
- 14:50-15:10 **Title: Consolidated network in Spain to provide fresh human tissue for research purposes**  
Estefhan Arredondo Córdoba, DTI Foundation, Spain

- 15:10-15:30 **Title: Age related accumulation of somatic mitochondrial DNA mutations in adult-derived human iPSCs**  
Taosheng Huang, Cincinnati Children's Hospital Medical Center, USA
- 15:30-15:50 **Title: BioDry: An inexpensive, low-power method to preserve aquatic microbial biomass at room temperature**  
Lee J Kerkhof, Rutgers University, USA
- 15:50-16:10 **Title: Harvesting, expanding, and banking of human adipose-derived mesenchymal stem cells: Creating personalized cell banks**  
Michael L Moeller, American CryoStem Corporation, USA

**Networking & Refreshment Break: 16:10-16:30 @ Foyer**

- 16:30-16:50 **Title: Cryopreservation and replantation of amputated rat hind limbs**  
Xiaoling Chen, Chinese Academy of Agricultural Sciences, China
- 16:50-17:10 **Title: Single lysis-salting out method of genomic DNA extraction from dried blood spots**  
Krushika Vinod T P, NIMHANS, India

**Young Research Forum**

- 17:10-17:30 **Title: Resident's awareness and attitudes about an ongoing community based genome cohort study in Nagahama, Japan**  
Miyamoto Keiko, Kyoto University School of Public Health, Japan
- 17:30-17:50 **Title: Thermal conductivity measurements in vitrifying solutions combined with synthetic ice modulators**  
Lili Ehrlich, Carnegie Mellon University, USA
- 17:50-18:10 **Title: Analysis of solid mechanics effects in cryobags**  
Prem Solanki, Carnegie Mellon University, USA
- 18:10-18:30 **Title: Analysis of selected milk traits in palestine cattle in relative to morphology and genetic polymorphism**  
Ziyad abukhaizaran, Palestine Polytechnic University, Jordan

**Panel Discussion**

**Closing and Award ceremony**

**Bookmark your dates**

3<sup>rd</sup> International Conference & Exhibition on

# Tissue Preservation and Biobanking

August 23-24 2017 Los Angeles, USA

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