

**13<sup>th</sup> Congress IABG 2009 :**  
***Ageing, cancer and age-related diseases: common mechanisms?***  
***Program***

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**Monday May 18, 08.15-09.45 hrs**

- **Welcome address by Robert M. Tanguay**  
(Chairman of IABG 2009 conference)

**Monday May 18, 08.15-09.45 hrs**

- **Why aging research?**  
(Chair: Kevin Perrott, Edmonton)

Colin Farrelly (Queens University, Kingston)  
*The Moral Imperative to Retard Human Aging*  
Dan Perry (Alliance for Aging Research, Washington, DC)  
*Pursuing the Longevity Dividend: Will Governments Respond?*  
Moses Znaimer (Toronto)  
TBA

**Break 09.45-10.15 hrs**

**Monday May 18, 10.15-12.30 hrs**

- **Model systems and approaches in aging research**  
(Chair: Gabrielle Boulianne, Toronto)

Gabrielle Boulianne (Hospital for Sick Children, Toronto)  
*Neuronal regulation of lifespan in Drosophila*  
Siegfried Hekimi (Université McGill, Montréal)  
*Testing theories of aging with worms and mice yields surprises*  
Laurent Seroude (Queen's University, Kingston)  
*Apoptosis and aging*  
Brian F.C. Clark (Aarhus, DK)  
*A molecular approach to understanding ageing*

*Short selected oral presentation (10 min)*

Antoine Roux (Université Montréal)  
*Pro-aging effects of glucose-signaling through a G Protein-coupled glucose receptor in fission yeast*  
Aswin Mangerich (University Konstanz)  
*Impaired survival and age-related pathologies in a novel model with ectopic expression of human PARP-1.*  
Alexey Amoskalev (Inst Biology KoMi, Russia)  
*Drosophila melanogaster lifespan after melatonin influence at different light regimes.*  
Vladimir Titorenko (Concordia, Montréal)  
*Novel anti-aging molecules greatly extend yeast lifespan by targeting a mechanism linking lipid dynamics and longevity.*

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**Monday May 18, 14.00-17.15hrs**

**- Metabolic interventions**

(Chair: Norbert Dencher, Darmstadt)

Lloyd Demetrius (Harvard University, Cambridge)

*Metabolic stability and the Evolution of life Span*

Suresh Rattan (University of Aarhus, Denmark)

*Ageing intervention and prevention through hormesis: targeting the occurrence, removal and accumulation of molecular damage*

Norbert Dencher (Darmstadt University of Technology, Germany)

*The good and the bad side of calorie restriction for healthy ageing*

Michel Lebel (CRHDQ, Québec)

*The impact of vitamin C on mice with a mutation in the Werner syndrome gene homologue*

Sataro Goto (Juntendo University, Chiba, Japan)

*Effects of aging and calorie restriction on acetylation of mitochondrial proteins and histones*

Pierrette Gaudreau (Université de Montréal)

*The pituitary growth hormone-releasing hormone receptor contribution to healthy aging*

*Short selected oral presentation (10 min)*

Florence Solari (Lyon, France)

*Pyruvate homeostasis is a keystone in metabolic reprogramming for lifespan extension by caloric restriction in *Caenorhabditis elegans*.*

Zhuo Li (Université Laval, Québec)

*IGFBP2 regulates upon aging, calorie restriction and insulin signaling.*

Isabelle Riedl (Université Laval, Québec)

*Regulation of skeletal muscle transcriptome in elderly after 6 weeks of endurance training at lactate threshold intensity*

Ülo Kristjuhan (Tallinn, Estonia)

*Decrease the aging velocity in industry workers*

**Break 17.15-17.30 hrs**

**Monday, May 18 17.30-19.00**

**- Stress resistance and aging**

(Chair: Heinz Osiewacz, Frankfurt)

Tom Johnson (Boulder, Colorado)

*Response to Stress: Epigenetic and Stochastic Aspects*

Gordon Lithgow (Buck Institute for Age Research, California)

*Multiplex stress resistance is the key determinant of lifespan*

Imed Gallouzi (McGill University, Montréal)

*The role of stress granules in the response to stress of senescent cells*

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**Tuesday May 19, 08.00-09.15 hrs**

**- Protein quality control in aging**

(Chair: Efstathios S Gonos )

Efstathios S Gonos (National Hellenic Research Foundation, Greece)

*Longevity assurance molecular pathways in humans*

Heinz D. Osiewacz (University of Frankfurt, Germany)

*Mitochondrial protein quality control pathways and ageing in *Podospora anserina**

R.M. Tanguay/G. Morrow (Université Laval, Québec)

*Protection from ageing by small chaperones: a trade-off with cancer?*

**Tuesday May 19 09.30-12.00 hrs**

**- Chaperones and protein folding in neurodegenerative diseases**

(Chair: Georges Levesque, Québec)

A. Chakrabartty ( University Toronto)

*Imaging protein misfolding in vivo: application to Alzheimer's disease*

Harry H. Kampinga (University of Groningen)

*Heat shock proteins, protein misfolding diseases and ageing*

Alberto Macario (University of Maryland, Baltimore)

*Chaperonopathies of senescence*

Jean Pierre Julien (CHUL, Québec)

*Amyotrophic lateral sclerosis: misfolding, secretion and neutralization through immunization*

Tali Gidalevitz (Northwestern University, Evanston)

*Disruption of protein folding homeostasis in aging and aging-related diseases*

*Short selected oral presentation (10 min)*

Annabelle Caron (Université Sherbrooke)

*Inhibition of proteasome: a potential pharmacological target for reducing immobilization-induced muscle atrophy.*



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**Wednesday, May 20, 08.30-10.15 hrs**

**- Aging, senescence and cancer 1**

(Chairs: Renu Wadhwa, Tsukuba; Christian Beauséjour, Montréal)

Renu Wadhwa (AIST, Tsukuba, Japan)

*Molecular Bridging of aging and cancer: a CARF link*

Christian Beauséjour (Université de Montréal)

*The effects of cellular senescence on tissue regeneration*

Gerardo Ferbeyre (Université de Montréal)

*SOCS1 links cytokine signaling to p53 and senescence*

*Short selected oral presentation (10 min)*

Frédéric Trenz (Université Sherbrooke)

*The WNT canonical pathway in mesenchymal stem cells promotes fibrosis of aging skeletal muscle*

Zeenia Kaul (University Sydney)

*A threshold number of dysfunctional telomeres induces senescence in normal diploid breast fibroblast cells.*

**Break 10.15-10.30 hrs**

**Wednesday May 20 10.30-12.00 hrs**

**- Aging, senescence and cancer 2**

(Chairs: Renu Wadhwa, Tsukuba; Christian Beauséjour, Montréal)

Michael Sherman (Boston University)

*Heat Shock Protein Hsp72 controls oncogene-induced senescence pathways in cancer cells*

Tamas Fulop (Université Sherbrooke)

*Contribution of immunosenescence to cancer development*

*Short selected oral presentation (10 min)*

Yashin, Anatoli (Duke University)

*Aging, cancer, and other diseases: insights for improving population health and longevity.*

David Melzer

*Genetic variations and aging-related diseases; role, architecture and mechanisms*

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**Wednesday May 20, 14.00-15.30 hrs**

**- Cellular therapies and tissue engineering**

(Chair: Lucie Germain, Québec)

Lucie Germain (Université Laval, Québec)

*Tissue engineering of skin and cornea: applications for in vitro studies as well as wound healing therapies in vivo*

Daniel Asselineau (L'Oréal Recherche, Paris)

*Papillary and reticular fibroblasts: key actors in understanding skin aging*

Michael Evgene'v (Moscow)

*Exogenous heat shock protein70 mediates sepsis manifestation in rats.*

*Short selected oral presentation (10 min)*

Caroline Auclair-Daigle (CHA, Québec)

*Will skin stem cell research have a significant impact for the treatment of neurodegenerative disorders?*

**Break 15.30-15.45 hrs**

**Wednesday May 20, 15.45-17.00 hrs**

**- What's next? Healthy aging**

(Chair: Robert M. Tanguay, Québec )

Aubrey de Grey (University of Cambridge, UK)

*Regenerative therapies against aging: can they be comprehensive enough?*

Robert Guidoin (Université Laval, Québec)

*The miracle of percutaneous deployment of cardiovascular devices in the elderly*

Claudio Franceschi (University of Bologna, Italy)

*A Systems Biology Approach to Human Longevity*

*Short selected oral presentation (10 min)*

Dan Riga ( Bucharest,)

*Longevity sciences and mental health- unification of their concepts and strategies, essential key for the future medicine.*

**Wednesday May 20, 17.00 hrs**

Closing of congress