

Program  
Science & SciLifeLab Prize for Young Scientists  
*Humanistiska Teatern, Uppsala. December 8, 2021*



- 09:00** **Arrival and coffee**  
09:15 Door opens to the Lecture Hall  
09:30 **Welcome words**  
Olli Kallioniemi Director SciLifeLab  
Sacha Vignieri, Deputy Editor Research, Science  
Moderator Erdinc Sezgin, SciLifeLab Fellow, Karolinska Institutet
- Session 1: Category Ecology and Environment**
- 09:50 **Losing Australia's native gardeners; The loss of the country's digging mammals compromises the continent's arid soil health**  
Orsi Decker, La Trobe University, Australia
- 10:10 Video presentation; **Green with phenology; Warmer and brighter cities trick trees into thinking spring arrives earlier**  
Lin Meng, Lawrence Berkeley National Laboratory, USA
- Session 2: Category Molecular Medicine**
- 10:20 **Engineering near-infrared vision; An optogenetic technology inspired by snakes could aid those with incomplete blindness**  
Dasha Nelidova, Institute of Molecular and Clinical Ophthalmology, Switzerland
- 10:40** **Coffee**
- 11:05 Welcome back  
Moderator Erdinc Sezgin
- 11:10 **Fat for heat; The distinct properties of brown adipose tissue may be harnessed to mitigate obesity**  
Wenfei Sun, Stanford University, USA
- Session 3: Category Genomics, Proteomics and Systems Biology Approaches**
- 11:30 Video presentation; **Tracking development at the cellular level; Single cell genomic methods enable developmental mapping of entire organisms**  
Junyue Cao, Rockefeller University, USA
- 11:40 **As cancer grows old; Tracing the evolution of an ancient tumor lineage**  
Adrian Baez-Ortega, Wellcome Sanger Institute and Magdalene College, Cambridge, UK
- 12:00** **Lunch and Mingle**
- Session 4: Category Cell and Molecular Biology**
- 12:45 Welcome back  
Moderator Erdinc Sezgin
- 12:50 **Brain mapping, from molecules to networks; Bridging multiple levels of brain function reveals the neural basis of thirst motivation**  
William Allen, Harvard University, USA
- 13:10 **Seeing fat inside the nucleus; An expanded role for the inner nuclear membrane in lipid metabolism**  
Anete Romanuska, University of Vienna, Austria
- 13:30 **Questions and Discussion between Prize Winners, moderator and audience**
- 13:50** **Coffee**
- 14:20 **Keynote: Publishing in time of COVID**  
Valda Vinson, Editor (Research), Science
- 14:50 Closing words
- 15:00** **End of day**