Telluride Workshop on Nuclear Pore Complexes and Smart Polymers (2016)

Titles

1. Alexsey Aksimentiev  Nanopore Transport of Proteins
2. Shigeru Amemiya  Nanoelectrochemical Study of Molecular Transport through the Nuclear Pore Complex
3. Rob Coalson  Design Principles for Smart Polymer Nanovalves Inspired by the Nuclear Pore Complex
4. David Cowburn  Selective Diffusion in the Nuclear Pore
5. Cees Dekker  TBA
6. Michael Elbaum  Nuclear Transport as a Thermodynamic Engine
7. Ajay Gopinathan  Co-Operative Interactions Between Different Classes of Nucleoporins
8. Marina Guenza  Correlation Between Cooperative Fluctuations and Binding in Protein Recognition
9. Adam Hall  Binary Detection and Quantification of Disease Biomarkers with Solid-State Nanopores
10. Loren Hough  In Cell NMR Experiments to Probe the Role of Intrinsic Disorder in the Molecular Mechanism of Nuclear Transport
11. Larisa Kapinos  Mechanism of Cargo Release by RanGTP at the Nuclear Pore Complex
12. John Kasianowicz  TBA
13. Ulrich Keyser  Understanding and Designing of Nanopores for Optimised Transport
14. Edward Lemke  TBA
15. Mohammad Mofrad  Multiscale Models of the Nuclear Pore Complex
16. Fabien Montel  Transport Through the Nuclear Pore Complex: Crowding and Plasticity
17. Siegfried Musser  PALM and Polarization PALM of the Nuclear Pore Complex
18. Ralf Richter  Minimal Physical Polymer Models to Describe FG Nucleoporin Domain Assemblies and Their Interaction with Nuclear Transport Receptors
19. Meni Wanunu  TBA
21. Ludovit Zweifel  Towards Biomimetic Nuclear Pore Complexes Built from Glass Nanocapillaries