

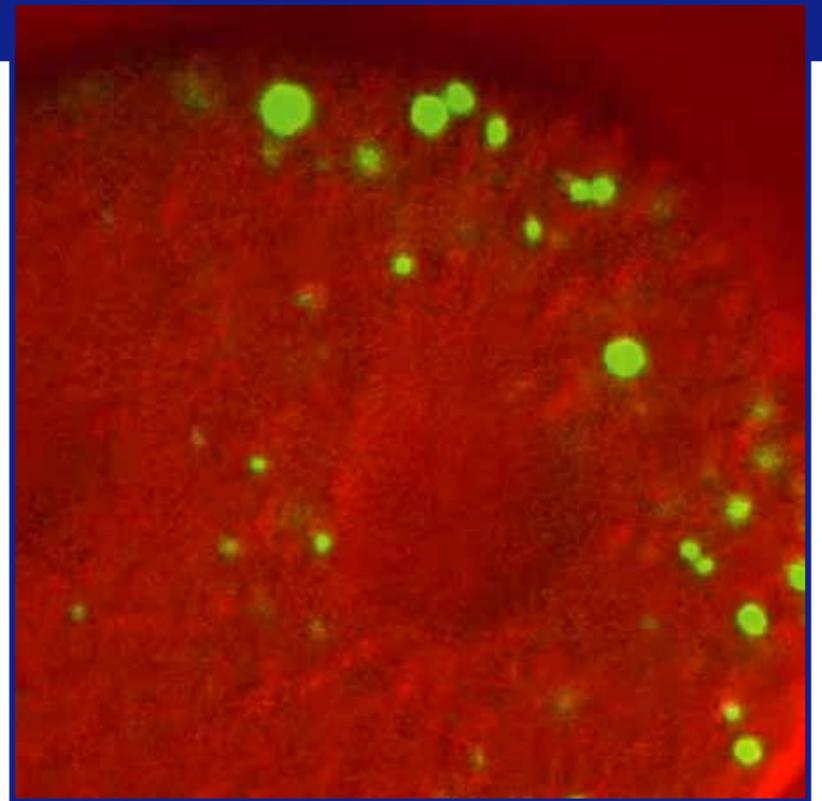


MAX-PLANCK-GESELLSCHAFT

Phase Transitions in Polymeric and Protein Systems

International Focus Workshop 14 - 15 February 2019

An increasing number of organelles and biochemical compartments in cells, which form by assembly of proteins and RNA in condensed phases, have been characterized in recent years. In the study of such membraneless cell compartments, concepts from polymer physics, soft matter physics and the theory of liquid-liquid phase separation play a key role. This meeting brings soft matter and polymer researchers together with molecular and cell biologists to discuss macromolecular phase separation and the physical nature of protein condensates.



courtesy of the hyman laboratory

Topics

- Membraneless organelles and RNA-bodies
- Phase transition of macromolecules in complex/crowded solutions
- Active components and liquid-liquid phase separation
- Disordered proteins
- Non-equilibrium models of droplet-formation and segregation

Invited speakers

* to be confirmed

Job Boekhoven (DE)
 Johannes Buchner (DE)
 Ramin Golestanian (DE)
 Alexander Grosberg (US)
 Ludwik Leibler (FR)
 Edward Lemke (DE)
 Carlos Marques (FR)
 Madan Babu Mohan (UK)
 Roland Netz (DE)
 Rohit Pappu (US)
 Jacques Prost (FR)
 Sam Safran (IL)*

Scientific coordinators

Frank Jülicher
 Dresden, DE
 Tony Hyman
 Dresden, DE
 Jens-Uwe Sommer
 Dresden, DE

Organisation

Maria de Haas
 MPIPKS Dresden

Applications received before 11 November 2018 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international focus workshop is 140 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

For further information please contact:

Visitors Program – Maria de Haas
 MPI for the Physics of Complex Systems
 Nöthnitzer Str. 38, D-01187 Dresden
 Tel: +49-351-871-1934
 Fax: +49-351-871-2199
 ptpps19@pks.mpg.de
 www.pks.mpg.de/ptpps19/