

The C3 Commission is pleased to announce that the Young Scientist Award for 2016 will be awarded during STATPHYS26 to **Lisa Manning** and **Martin Lenz**.

## **Lisa Manning**

in recognition of her outstanding statistical physics contributions to the fields of granular materials, jamming, and biological cell dynamics.



### *Short Biography:*

Manning has become a clear leader in the community studying glassy dynamics and jamming, and has also established the importance of these phenomena to biological tissues. In glasses, she has used random matrix theory to uncover universal vibrational properties, and has identified soft vibrational modes as harbingers of local failure. In biology, she has explored the competition between cell--cell adhesion and cortical tension to understand surface tension at the tissue level. Further, she discovered that this competition controls a new rigidity transition in tissues, a startling new member of the jamming transition family that is relevant to asthma and likely also to embryogenesis, tumorigenesis, and wound healing.