Wednesday, May 18

8:15  Conference Shuttle 1 leaves from Vienna (Heiligenstadt) for IST Austria
8:15  Conference Shuttle 2 leaves from Hotel Höhenstraße also stopping at
8:25  Niedermarkt Klosterneuburg for IST Austria
8:30  Conference Shuttle 3 leaves from Hotel Marienhof for IST Austria

9:00  Registration
9:30  Welcome

9:40  Udo Seifert, University of Stuttgart
     Stochastic thermodynamics and cellular information processing

10:20  Coffee Break

11:00  Frank Bruggeman, VU Amsterdam
       The molecular circuitry for bacterial growth rate maximisation in dynamic environments and
       information theory: what’s their relation?

11:40  Mustafa Khammash, ETH Zürich
       Subtle is the noise, but malicious it is not: exploring the dynamic benefits of intracellular
       fluctuations

12:20  Lunch

14:20  Pascal Hersen, Université Paris Diderot
       Control of gene expression and biological circuits

15:00  Roy Wollman, UC San Diego
       Cellular variability and information flow in signal transduction networks

16:00  Poster Session 1, Snacks

18:30  Walk from IST Austria to Redlinger Hutte
19:00  Dinner at Redlinger Hutte
21:30  Walk back to IST Austria from Redlinger Hütte
22:00  Conference Shuttle 1 leaves for Vienna (Heiligenstadt) from IST Austria
       Conference Shuttle 2 leaves for Niedermarkt Klosterneuburg with an additional stop at
       Hotel Höhenstraße from IST Austria
       Conference Shuttle 3 leaves for Hotel Marienhof from IST Austria
Thursday, May 19

8:15  Conference Shuttle 1 leaves from Vienna (Heiligenstadt) for IST Austria
8:15  Conference Shuttle 2 leaves from Hotel Höhenstraße also stopping at
8:25  Niedermarkt Klosterneuburg for IST Austria
8:30  Conference Shuttle 3 leaves from Hotel Marienhof for IST Austria

9:00  **Pieter Rein ten Wolde, FOM Institute AMOLF**  
      *The thermodynamics of biochemical copying*

9:40  **Thierry Mora, ENS Paris**  
      *Statistical mechanics of bird flocks.*

10:20  Coffee Break

11:00  **David Schwab, Northwestern University**  
       *Statistical physics of inference with hidden variables*

11:40  **Dagmar Iber, ETH Zürich**  
       *From networks to function – computational models of organogenesis*

12:20  Lunch

14:20  **James Briscoe, Francis Crick Institute**  
       *Building a brain. The cellular and molecular logic of vertebrate neural development*

15:00  **Aleksandra Walczak, ENS Paris**  
       *Dynamics in fly development*

15:40  **Thomas Gregor, Princeton University**  
       *Decoding positional information*

17:00  Poster Session 2, Snacks

19:00  Dinner at IST Austria

21:00  Conference Shuttle 1 leaves for Vienna (Heiligenstadt) from IST Austria
       Conference Shuttle 2 leaves for Niedermarkt Klosterneuburg with an additional stop at
       Hotel Höhenstraße from IST Austria
       Conference Shuttle 3 leaves for Hotel Marienhof from IST Austria
Friday, May 20

8:15   Conference Shuttle 1 leaves from Vienna (Heiligenstadt) for IST Austria
8:15   Conference Shuttle 2 leaves from Hotel Höhenstraße also stopping at
8:25   Niedermarkt Klosterneuburg for IST Austria
8:30   Conference Shuttle 3 leaves from Hotel Marienhof for IST Austria

9:00   Justin Kinney, Cold Spring Harbor Laboratory
       Modeling multi-particle complexes in stochastic chemical systems

9:40   Erik van Nimwegen, University of Basel
       TBA

10:20  Coffee Break

11:00  Olivier Rivoire, University of Grenoble
       Information in models of evolving populations

11:40  Michael Lässig, University of Cologne
       Information theory of evolutionary predictions

12:20  Edo Kussell, New York University
       Evolutionary phase transitions in random environments

13:00  Lunch, end of the meeting

15:00  Conference Shuttle 1 leaves for Vienna (Heiligenstadt) from IST Austria
       Conference Shuttle 2 leaves for Niedermarkt Klosterneuburg with an additional stop at
       Hotel Höhenstraße from IST Austria
       Conference Shuttle 3 leaves for Hotel Marienhof from IST Austria