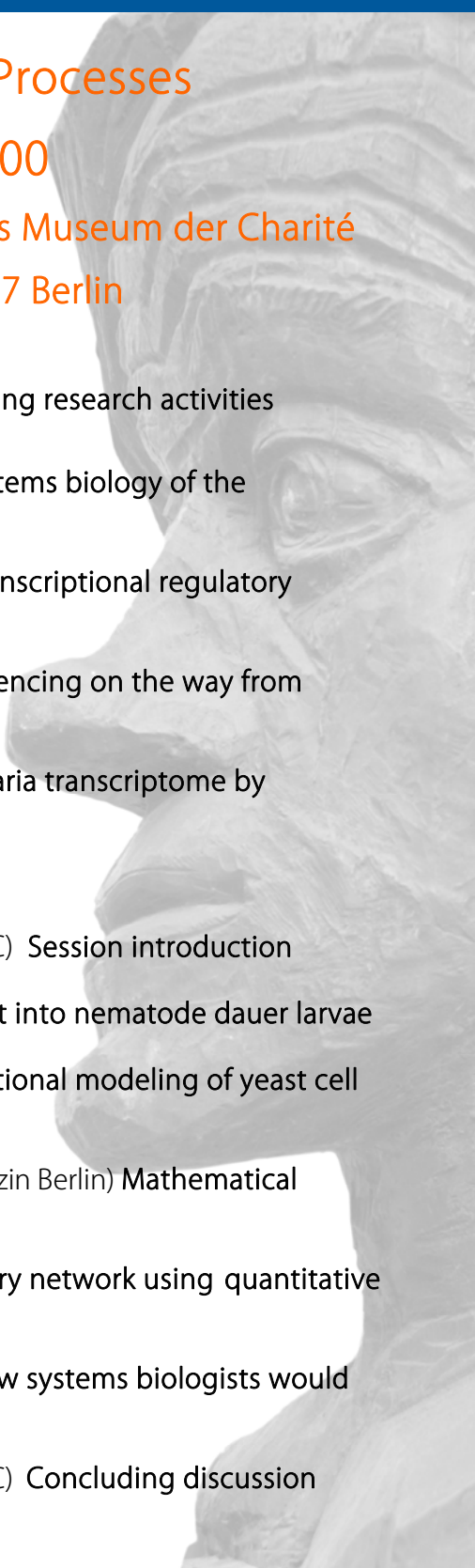


Systems Biology of Cellular Processes

2 July 2010, 11:00-18:00

Die Hörsaalruine:: Berliner Medizinhistorisches Museum der Charité

Entrance: Virchowweg 16, 10117 Berlin

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- 11:00 Nikolaus Rajewsky (BIMSB @ MDC) Welcome & Ongoing research activities
 - 11:30 Hanspeter Herzel (Humboldt-Universität zu Berlin) Systems biology of the circadian clock
 - 11:50 Markus Landthaler (BIMSB @ MDC) Decoding post-transcriptional regulatory networks using PAR-CLIP
 - 12:10 Lars Hummerich (Roche) With next generation sequencing on the way from research to diagnostics
 - 12:25 Wei Chen (BIMSB @ MDC) De novo assembly of planaria transcriptome by massive parallel sequencing
 - 12:45 Pizza lunch
 - 13:45 Stefan Kempa and Christoph Dieterich (BIMSB @ MDC) Session introduction
 - 13:50 Christoph Dieterich (BIMSB @ MDC) Molecular insight into nematode dauer larvae
 - 14:10 Edda Klipp (Humboldt-Universität zu Berlin) Computational modeling of yeast cell stress response
 - 14:30 Hermann-Georg Holzhütter (Charité-Universitätsmedizin Berlin) Mathematical modeling of metabolic processes
 - 14:50 Stefan Kempa (BIMSB @ MDC) Decoding the regulatory network using quantitative mass spectrometry
 - 15:10 Markus Kollmann (Humboldt-Universität zu Berlin) How systems biologists would investigate design and function of car engine
 - 15:30 Stefan Kempa and Christoph Dieterich (BIMSB @ MDC) Concluding discussion
 - 16:00 Drinks reception