# XXI INTERNATIONAL CONFERENCE ON YEAST GENETICS AND MOLECULAR BIOLOGY

*July 7-12, 2003 Göteborg (Gothenburg), Sweden*

# PROGRAMME

# WELCOME TO YEAST2003 IN GÖTEBORG AT THE SWEDISH WEST COAST


Photos: Göteborg&Co and Linda Hellström

# SCIENTIFIC PROGRAMME

## XXI International Conference on Yeast Genetics and Molecular Biology

## Göteborg, Sweden, July 7-12, 2003

# *Monday, July 7*

1200-2000 **REGISTRATION, POSTER MOUNTING**

## OPENING SESSION *(CONGRESS HALL)*

**Chair:** Kerstin Stråby (Umeå), Stefan Hohmann (Göteborg)

1600-1630 **OPENING CEREMONY**

**Gunnar Bjursell** (Göteborg), Chairman, Institute for Cell and Molecular Biology, Göteborg University

**Jacques Remacle** (Brussels), Scientific Officer, European Commission

**Peter Raspor** (Ljubljana), Secretary General, Federation of the European Microbiology Societies FEMS

**Ian Dawes** (Sydney), Chairman of the Finance and Policy Committee of the International Yeast Community

**Kerstin Eliasson** (Washington DC), Science Counsellor, Office of Science and Technology, Swedish Embassy

**Chair**: Morten Kielland-Brandt (Copenhagen) and Stefan Hohmann (Göteborg)

1630-1645 The awesome power of yeast genetics: In memory of **Ira Herskowitz (1946-2003)**. Presented by Gerald Fink and Fred Chang

1645-1725 **Gerald Fink**: Fungi and the immune system: when worlds collide

1725-1805 **Dennis Thiele**: Yeast copper transporters: delivery of essential nutrients and anti-cancer drugs

1805-1815 **Mark Johnston**: Presentation of the George Beadle Award to **Robert Mortimer** and **André Goffeau**

1815-2000 **WELCOME RECEPTION** by the City of Gothenburg and the Region of Västra Götaland

# *Tuesday, July 8*

## PLENARY SESSION 1: CHROMOSOMES AND NUCLEUS *(CONGRESS HALL)*

**Chair:** Martin Kupiec (Tel Aviv) and Per Sunnerhagen (Göteborg)

| | |
|---|---|
| 0830-0900 | **Kim Nasmyth**: Chromosome segregation during mitosis and meiosis |
| 0900-0930 | **Phil Hieter**: Yeast kinetochore structure and function |
| 0930-1000 | **Trisha Davis**: Analysis of the spindle pole body by fluores cence resonance energy transfer |
| 1000-1030 | **Rodney Rothstein**: Visualizing DNA repair and recombi-nation in vivo |
| 1030-1100 | **BREAK, COFFEE** |

## PARALLEL WORKSHOPS

1100-1300

**(WS 1)** Vesicular transport and membrane biogenesis
*Chair: Sirkka Keränen, Rosine Haguenauer-Tsapis* - **HALL G2**

**(WS 4)** Filamentous growth and pathogenesis
*Chair: Haoping Liu, Hans-Ullrich Mösch* - **HALL J2**

**(WS 7)** Transcription: RNA polymerase, chromatin, factors
*Chair: Stefan Björklund, Brad Cairns* - **HALL J1**

**(WS 14)** Control of cell growth and cell division
*Chair: Etienne Schwob, Sergio Moreno* - **HALL G3**

**(WS 19)** New concepts in yeast biotechnology
*Chair: Jürgen Bauer, Han de Winde* - **CONGRESS HALL**

| | |
|---|---|
| 1300-1600 | **LUNCH, POSTER SESSIONS, ARENAS, SPEAKERS CORNERS, COFFEE** |
| 1300-1600 | Demonstrations at Bioinformatics Arena - Theme: Gene Expression<br>*Chair: Anders Blomberg, Hans-Werner Mewes* - **HALL H** |
| 1400-1500 | Odd-numbered posters: presenting author present |
| 1500-1600 | Even-numbered posters: presenting author present |
| 1400-1445 | Speaker's corner: Fink, Thiele, Nasmyth |
| 1500-1545 | Speaker's corner: Hieter, Davis, Rothstein |

# *Tuesday, July 8*

## PLENARY SESSION 2: GENOMES AND FUNCTIONAL ANALYSIS *(CONGRESS HALL)*

**Chair:** Michael Cherry (Stanford) and Anders Blomberg (Göteborg)

| | |
|---|---|
| 1600-1625 | **Charlie Boone**: Large-scale mapping of genetic networks with ordered arrays of yeast mutants |
| 1625-1650 | **Michael Snyder**: Analysis of the yeast genome and proteome using DNA and protein chips |
| 1650-1715 | **Peter Philippsen**: *S. cerevisiae* and the filamentous fungus *A. gossypii*: Conserved gene sets but different life styles |
| 1715-1740 | **Mark Johnston**: Exploiting evolution's experiments to find functional sequences in the yeast genome |
| 1740-1805 | **Bernard Dujon**: Comparative genomics of "Hemiascomycetous" yeasts: the systematic sequencing of *Candida glabrata, Kluyveromyces lactis, Debaryomyces hansenii, Yarrowia lipolytica* |
| 1805-1825 | **Hans Ronne**: From yeast to moss: glucose sensing and signaling in a new model organism |
| 1825-2030 | **POSTER SESSION** remains open. Cash bar |
| 1900-2000 | **ORGAN CONCERT IN ÖRGRYTE KYRKA** |
| 2100-2200 | **ORGAN CONCERT IN ÖRGRYTE KYRKA** |

# *Wednesday, July 9*

## PLENARY SESSION 3: YEAST AND HUMAN *(CONGRESS HALL)*

**Chair:** Chair: Daniel Lew (Durham) and Thomas Nyström (Göteborg)

| | |
|---|---|
| 0830-0900 | **Leonard Guarente**: Regulation of aging by Sir2 |
| 0900-0930 | **Reed Wickner**: Prions in yeast: biology and mechanisms |
| 0930-1000 | **Joseph Heitman**: Molecular determinants of fungal virulence: *Cryptococcus neoformans* as a model fungal pathogen |
| 1000-1030 | **Guri Giaever**: Chemical Genomics in Yeast via Haplo-Insufficiency Profiling (HIP) |
| 1030-1100 | **BREAK, COFFEE** |

## PARALLEL WORKSHOPS

1100-1300

**(WS 5)** Nuclear structure, function and transport
*Chair: Francoise Stutz, George Simos* - **HALL G2**

**(WS 11)** Surviving in lab and nature: stress responses
*Chair: Michel Toledano, Markus Proft, Markus Tamás* - **CONGRESS HALL**

**(WS 13)** Diversity, regulation and signalling function of membrane transporters
*Chair: Eckard Boles, Bruno André* - **HALL G3**

**(WS 17)** Beyond functional analysis: systems biology
*Chair: Hans Westerhoff, Lilia Alberghina* - **HALL J1**

**(WS 20)** Using yeast to study foreign genes
*Chair: Hans Ronne, Gerhard Braus* - **HALL J2**

# *Wednesday, July 9*

| | |
|---|---|
| 1300-1600 | **LUNCH, POSTER SESSIONS, ARENAS, SPEAKERS CORNERS, COFFEE** |
| 1330-1500 | Meeting of the Finance and Policy Committee (members and invited delegates) – **Room R7** |
| 1300-1600 | Demonstrations at Bioinformatics Arena - Theme: Protein-Protein Interaction<br>*Chair: Anders Blomberg, Hans-Werner Mewes* - **HALL H** |
| 1400-1515 | Presentations at Microscopy Arena<br>*Chair: Per Sunnerhagen, Sepp Kohlwein* - **HALL G1** |
| 1400-1500 | Odd numbered posters sessions 1-10: presenting author present |
| 1500-1600 | Even numbered posters session 11-23: presenting author present |
| 1400-1445 | Speaker's corner: Boone, Snyder, Guarente, Wickner, Heitman |
| 1500-1545 | Speaker's corner: Dujon, Johnston, Ronne, Philippsen, Giaever |

## PLENARY SESSION 4: CONTROL OF GROWTH AND PROLIFERATION *(CONGRESS HALL)*

**Chair:** Claudina Rodrigues-Pousada (Lisbon) and Anders Byström (Umeå)

| | |
|---|---|
| 1600-1630 | **Angelika Amon**: Control of Mitosis |
| 1630-1700 | **Maria Pia Longhese:** Mechanisms ensuring genome integrity in budding yeast |
| 1700-1730 | **Michael Hall**: TOR signalling and control of cell growth |
| 1730-1800 | **David Tollervey**: Ribosome synthesis and the cell cycle - Integration or opportunism? |
| 1800-2000 | **POSTER SESSION** remains open; Cash bar |
| 1815-1900 | Speaker's corner: Amon, Longhese, Hall, Tollervey |

# *Thursday, July 10*

## PLENARY SESSION 5: SHAPING THE YEAST CELL *(CONGRESS HALL)*

**Chair:** Anthony Wright (Stockholm) and Jiri Hasek (Prague)

| | |
|---|---|
| 0830-0900 | **John Pringle**: Axis selection during yeast cell polarization |
| 0900-0930 | **Fred Chang**: How fission yeast divide in the middle |
| 0930-1000 | **Michael Knoop**: Assembly and shaping of the prospore membrane |
| 1000-1030 | **Manfred Schmitt**: Hijacking a viral A/B toxin on its way through the yeast cell |
| 1030-1100 | **BREAK, COFFEE** |

## PARALLEL WORKSHOPS

| | |
|---|---|
| 1100-1300 | **(WS 6)** Chromosomes: replication, recombination, repair *Chair: Andrés Aguilera, Marco Foiani* - **CONGRESS HALL**<br>**(WS 9)** Protein biosynthesis, maturation, modification, degradation - **HALL J2**<br>*Chair: Marja Makarow, Thomas Sommer* - **HALL G2**<br>**(WS 10)** Molecular dissection of signal transduction systems - *Chair: Jeremy Thorner, Francesc Posas*<br>**(WS 16)** Comparing genomes<br>*Chair: Jure Piskur, Jacques van Helden* - **HALL G3**<br>**(WS 18)** Yeast apoptosis and ageing - *Chair: Kathryn Smart, Frank Madeo* - **HALL J1** |
| 1300-1400 | **LUNCH** |
| 1500-2300 | **BUS TRANSFER TO HARBOUR, BOAT CRUISE TO MARSTRAND ISLAND - VIKING**<br>**DINNER - RETURN BY BUS** (requires separate payment) |

# *Friday, July 11*

## PLENARY SESSION 6: COMPARTMENTING THE CELL *(CONGRESS HALL)*

**Chair:** Sepp Kohlwein (Graz) and Lennart Adler (Göteborg)

| | |
|---|---|
| 0830-0900 | **Howard Riezman**: Cargo protein sorting in the secretory pathway |
| 0900-0930 | **Andreas Mayer**: Membrane dynamics at the yeast vacuole |
| 0930-1000 | **Richard Rachubinski**: The application of systems biology to peroxisome biogenesis and function |
| 1000-1030 | **Ronald Butow**: Signaling from mitochondria to the nucleus: the retrograde response |
| 1030-1100 | **BREAK, COFFEE** |

## PARALLEL WORKSHOPS

1100-1300

**(WS 2)** Biogenesis and function of mitochondria
*Chair: Carla Koehler* and J*ozef Nosek* - **HALL J1**
**(WS 3)** Shaping the cell: morphogenesis, cytoskeleton, polarity and cell wall
*Chair: Pekka Lappalainen, Frans Klis* - **HALL G2**
**(WS 8)** RNA maturation and function
*Chair: Henri Grosjean, Phil Farabaugh* - **HALL J2**
**(WS 12)** Control and engineering of cellular metabolism
*Chair: Bärbel Hahn-Hägerdahl, Uwe Sauer* - **HALL G3**
**(WS 15)** Systematic assessment of function
*Chair: Timothy Hughes, Peter Uetz* - **CONGRESS HALL**

1300-1600 **LUNCH, POSTER SESSIONS, ARENAS, SPEAKERS CORNERS, COFFEE**

# *Friday, July 11*

| | |
|---|---|
| 1300-1600 | Demonstrations at Bioinformatics Arena - Theme: Comparing Genomes<br>*Chair: Anders Blomberg, Hans-Werner Mewes* - **HALL H** |
| 1400-1515 | Presentations at Microscopy Arena<br>*Chair: Per Sunnerhagen, Sepp Kohlwein* - **HALL G1** |
| 1400-1500 | Odd numbered posters session 11-23: presenting author present |
| 1500-1600 | Even numbered posters session 1-10: presenting author present |
| 1345-1430 | Speaker's corner: Pringle, Chang, Knoop, Schmidt, Riezman |
| 1430-1515 | Speaker's corner: Mayer, Rachubinski, Butow, Ammerer, Ljungdahl |
| 1515-1600 | Speaker's corner: Thevelein, Carlson, O'Shea, Nielsen, Brent |

## PLENARY SESSION 7: CONTROLLING TRANSCRIPTOME AND PROTEOME *(CONGRESS HALL)*

**Chair:** Steve Buratowski (Boston) and Jan Rydström (Göteborg)

| | |
|---|---|
| 1600-1630 | **Jesper Svejstrup**: Contending with obstacles to RNAPII transcription: nucleosomes and DNA damage |
| 1630-1700 | **Gerhard Braus**: Amino acid control of metabolism and differentiation |
| 1700-1730 | **Ed Hurt**: Mechanism of mRNA export and coupling to transcription |
| 1730-1800 | **Daniel Finley**: The proteasome and its associated regulatory proteins |
| 1815-1900 | Speaker's corner: Svejstrup, Braus, Hurt, Finley |
| 1800-1900 | **BEER AND SNACKS, CASH BAR** |
| 1900 | **EVENING AT LISEBERG AMUSEMENT PARK** (across the street) |

# *Saturday, July 12*

## PLENARY SESSION 8: THE DYNAMICS OF CELLULAR SIGNALLING *(CONGRESS HALL)*

**Chair:** Bärbel Hahn-Hägerdahl (Lund) and Jeremy Thorner (Berkeley)

| | |
|---|---|
| 0830-0900 | **Gustav Ammerer**: Osmostress signaling: a complex journey to the nucleus |
| 0900-0930 | **Per Ljungdahl**: Sensing extracellular amino acids - novel Ying and Yang mechanisms control SPS sensor initiated signals |
| 0930-1000 | **Johan Thevelein**: Nutrient-sensing systems for control of protein kinase A dependent signalling |
| 1000-1030 | **Marian Carlson**: Regulation of the Snf1 kinase |
| 1030-1100 | **BREAK, COFFEE** |

## PLENARY SESSION 9: TOWARDS UNDERSTANDING THE WHOLE CELL *(CONGRESS HALL)*

**Chair:** Lilia Alberghina (Milano) and Lena Gustafsson (Göteborg)

| | |
|---|---|
| 1100-1130 | **Erin O'Shea**: Quantitative analysis of signaling |
| 1130-1200 | **Jens Nielsen**: Systems biology of the glucose repression in *S. cerevisiae* |
| 1200-1230 | **Roger Brent**: The Alpha project and the dream of predictive biology |
| 1230-1250 | **STUDENTS WANT TO KNOW: WHERE WILL YOU GO, YEASTY ?** |
| 1250-1300 | **CLOSING CEREMONY** |

# Programme of workshops

## WORKSHOP 1:

### VESICULAR TRANSPORT AND MEMBRANE BIOGENESIS

Tuesday, July 8, 1100-1300, Hall G2

**Chair: Sirkka Keränen** (Helsinki) and **Rosine Haguenauer-Tsapis** (Paris)

1. 1-9 Different packaging chaperones are required for ER exit of various hexose transporters in *Saccharomyces cerevisiae* **Tanja Hamacher**
2. 1-6 The identification Chs5p, Ymr237p, and Yhr112p as new interactors of Arf1p **Mark Trautwein**
3. 1-4 The ARF-like GTPase Arl1p and Arl3p act in pathway that interacts with vesicle tethering factors at the Golgi apparatus **Bojana Panic**
4. 1-21 t-SNARE phosphorylation and the regulation of Golgi morphology and function **Jeffrey Gerst**
6. 1-20 The *Saccharomyces cerevisiae* tumour suppressor homologue Sop1p/Sro7p is required for targeting of the sodium transporting ATPase to the cell surface **Ingrid Wadskog**
5. 1-13 The role of sphingolipids in transport and stabilization of the yeast plasma membrane ATPase **Roger Schneiter**
7. 1-15 The beta subunit of the Sec61 ER translocon interacts with the exocyst complex in *Saccharomyces cerevisiae* **Jaana Toikkanen**
8. 1-27 A conserved mechanism targets lipid binding proteins to membrane contact sites between the endoplasmic reticulum and other organelles **Tim Levine**
9. 1-1 Ent3p an ENTH domain containing proteins required for protein sorting in the multivesicular body **Sylvie Friant**
10. 1-32 Bro1, the yeast homologue of the mammalian apoptotic Alix/AIPI factor, is involved in protein sorting into the multivesicular body (MVB) pathway **Elina Nikko**
11. 13-20 Receptor-mediated endocytosis, retrograde transport and ER dislocation of the yeast K28 virus toxin **Susanne Leis**

# WORKSHOP 2:

## BIOGENESIS AND FUNCTION OF MITOCHONDRIA

Friday, July 11, 1100-1300, Hall J1

**Chair: Carla Koehler (**San Diego) and **Jozef Nosek** (Bratislava)

1. 2-10 The mitochondrial Hsp70 Ssc1 is the core-component of an ATP-driven preprotein import motor complex **Wolfgang Voos**
2. 2-6 Protein insertion into the inner membrane of mitochondria **Johannes M. Herrmann**
3. 2-25 Rpm2p, a component of mitochondrial RNase P, acts as a transcriptional activator in the nucleus **Vilius Stribinskis**
4. 2-8 Linking mitochondrial gene expression and nuclear signals through the amino-terminal domain of mitochodnrial RNA polymerase **Gerald Shadel**
5. 2-22 Mss51p acts in two different and independent regions of the mitochondrial COX1 mRNA to promote its translation **Xochitl Perez-Martinez**
6. 2-5 Mitochondrial membrane remodelling regulated by a conserved yeast rhomboid **G. Angus McQuibban**
7. 21-5 Spatial and temporal dynamics of fission deficient mitochondria **Stefan Jakobs**
8. 2-14 Yeast mitochondrial kinome: From in silico to in vivo localization **Lubomir Tomaska**
9. 2-27 Comparative mitochondrial genomics and gene expression in the Monoblepharidales **B. Franz Lang**

# WORKSHOP 3:

## SHAPING THE CELL: MORPHOGENESIS, CYTOSKELETON, POLARITY AND CELL WALL

Friday, July 11, 1100-1300, Hall G2

**Chair: Pekka Lappalainen** (Helsinki) and **Frans Klis** (Amsterdam)

1. 3-32 Dynamics of actin patch assembly in *Saccharomyces cerevisiae* **Marko Kaksonen**
2. 3-40 The cell polarity factor, Tea1, is a potential downstream target of the Ste20/PAK homolog, Shk1, in the fission yeast, *Schizosaccharomyces pombe* **Stevan Marcus**
3. 3-7 Interaction between a Ras-family and Rho-family GTPase couples selection of a growth site to the development of cell polarity **Keith G. Kozminski**
4. 3-13 Characterization of new cdc24 yeast mating mutants **Robert A. Arkowitz**
5. 3-2 Identification of cell wall proteins of the fungal pathogen *Candida albicans* and other fungi using mass-spectrometric and genome-wide computational approaches **Piet de Groot**
6. 3-1 Identification of cell surface determinants in *Candida albicans* **Constantin Urban**
7. 3-27 *CRH1* is involved in the *S. cerevisiae* compensatory response to cell wall damage **Javier Arroyo**
8. 3-34 Subcellular localization of Dcw1, a GPI-anchored membrane protein involved in the cell wall synthesis **Hitoshi Shimoi**
9. 22-2 Genome-wide analysis of the response to cell wall mutations in the yeast *S. cerevisiae* **Arnaud Lagorce**

# WORKSHOP 4:

## FILAMENTOUS GROWTH AND PATHOGENESIS

Tuesday, July 8, 1100-1300, Hall J2

**Chair: Haoping Liu** (IrviNe) and **Hans-Ulrich Mösch** (Göttingen)

1. 4-14 A new class of hereotrimeric G proteins governs yeast pseudo-hyphal differentiation **Toshiaki Harashima**
2. 4-5 Rme1p induces *FLO11* expression through an 11 bp Rme1p response element **Dewald van Dyk**
3. 4-16 Perception and transport of plant hormones in yeast **Reeta Prusty**
4. 4-13 *Schizosaccharomyces pombe*: A dimorphic fission yeast **Evelyn Amoah-Buahin**
5. 4-1 Investigation of the potential role of Ace2p as a virulence factor in *Candida albicans* **Mary T. Kelly**
6. 4-9 In vitro reconstructed human epithelia reveal contributions of *C. albicans EFG1* and *CPH1* to adhesion and invasion **Steffen Rupp**
7. 4-7 The GTPase module Cdc24/Cdc42 is required for invasive growth of *Candida albicans* **Martine Bassilana**
8. 3-22 Formin polarity in *Ashbya gossypii* **Hans-Peter Schmitz**

# WORKSHOP 5:

## NUCLEAR STRUCTURE, FUNCTION AND TRANSPORT

Wednesday, July 9, 1100-1300, Hall G2

**Chair: Francoise Stutz** (Geneva) and **George Simos** (Heraklion)

1. 5-2 Loss of Orc2 leads to impariment of an S phase checkpoint and induction of G2/M delay **Kenji Shimada**
2. 5-19 Structural and dynamic functions establish chromatin domains **Clayton Lin**
3. 5-20 Nuclear architecture and gene regulation **Ulf Nehrbass**
4. 5-15 Subnuclear localization of tRNA genes in *S. cerevisiae* **Martin Thompson**

# WORKSHOP 5: continued

5. 5-5 Mutants of the SUMO modification system affect a specific nuclear portein import pathway in yeast **Katrin Stade**
6. 5-8 Coupling transcription to nuclear mRNA export **Katja Straesser**
7. 5-12 Rpb4p, a subunit of RNA polymerase II, mediates mRNA export during stress **Mordechai Choder**
8. 5-17 Quality control of the mRNA and the integration of nuclear activities **Domenico Libri**
9. 5-13 Mlp proteins regulate poly(A) RNA export from the nucleus via interactions with hnRNP proteins **Anita Corbett**

# WORKSHOP 6:

## CHROMOSOMES: REPLICATION, RECOMBINATION, REPAIR

Thursday, July 10, 1100-1300, Congress Hall

**Chair: Andrés Aguilera** (Sevilla) and **Marco Foiani** (Milano)

1. 6-41 Elg1 forms a novel RFC-like complex that is important for replication fork integrity **Grant W. Brown**
2. 6-22 Does the ongoing DNA replication trigger checkpoint responses? **Maria M. Magiera**
3. 6-46 The Rad53-mediated checkpoint response is required to stabilize replisome-fork association when DNA replication is pausing **Chiara Lucca**
4. 6-1 The checkpoint protein Rad24p of *Saccharomyces cerevisiae* is involved in processing Double-Strand Break ends, recombination partner choice and recovery after repair **Yael Aylon**
5. 6-21 Impairment of chromatin assembly confers hyperrecombination **Félix Prado**
6. 6-45 Transcription-dependent recombination in yeast rDNA **Takehiko Kobayashi**

# WORKSHOP 6: continued

7. 6-8 Nuclear organization of DNA double-strand break repair **Michael Lisby**
8. 6-40 The importance of Sgs1p and the MRX-complex in regulating the terminal DNA at telomeres **Raymund Wellinger**
9. 6-58 Mre11 nuclease activity is required for the repair of topo-. isomerase II mediated DNA damage **John Nitiss**
10. 6-17 Position, formation and stability of a site and strand specific DNA break at the mat1 locu in fission yeast **Benoit Arcangioli**
11. 6-47 Targeted stimulation of meiotic recombination in *S. cerevisiae* **Alain Nicolas**
12. 6-10 Repair of UV induced DNA-damage in centromeres of *S. cerevisiae* **Cristoph Capiaghi**

# WORKSHOP 7:

## TRANSCRIPTION: RNA POLYMERASE, CHROMATIN, FACTORS

Tuesday, July 8, 1100-1300, Hall J1

**Chair: Brad Cairns** (Salt Lake City) and **Stefan Björklund** (Umeå)

1. 7-4 Dicer is required for chromosome segregation and gene silencing in fission yeast cells **Ingela Djupedal**
2. 7-26 The role of Set1p-catalyzed Histone H3K4 methylation **Vincent Geli**
3. 7-28 The nuclear actin-related proteins Arp7 and Arp9 form a dimeric module that cooperates with architectural proteins for chromatin remodeling **Heather Szerlong**
4. 7-7 Connecting transcription to chromatin and mRNA processing **Steve Buratowski**

# WORKSHOP 7: continued

5. 7-25 Srb10/Srb11 phosphorylates the Med2 mediator subunit both in vitro and in vivo **Stefan Björklund**
6. 7-23 Involvement of the pol II Mediator and 20 S catalytic subunit of the proteasome in regulating the yeast heat shock response **David Gross**
7. 7-13 G2/M specific transcription - a tango between Ndd1 and Sin3 on and around the FHA domain of Fkh2 **Helen Klug**
8. 7-24 Genome-wide localization of RNA polymerase III and its transcription factors : the RNA polymerase III genome **Harismendy Olivier**

# WORKSHOP 8:

## RNA MATURATION AND FUNCTION

Friday, July 11, 1100-1300, Hall J2

**Chair: Henri Grosjean** (Gif-sur-Yvette) and **Phil Farabaugh** (Boston)

1. 8-22 Transfer RNA modification enzymes in yeast: How many enzymes? **Henri Grosjean**
2. 8-19 Identification of genes important for biogenesis of tRNA-sup Ser/CGA **Anders Byström**
3. 8-10 The multifunctional protein encoded by the mobile group II intron cob I1 in fission yeast mitochondria **Bernd Schaefe**r
4. 8-20 RNA branching and debranching in the yeast Ty1 retrotransposon **Thomas Menees**
5. 8-11 Searching the yeast genome for -1 frameshifting sites **Jean-Pierre Rousset**
6. 8-21 Programmed frameshifting in *Saccharomyces species* frameshifting evolved over 50 million years ago **Philip Farabaugh**

# WORKSHOP 8: continued

7. 16-19 Comparative evolutionary genomics of CUG reassignment in *Candida species* **Manuel Santos**
8. 8-1 Evolution of the NMD pathway **Michael Culbertson**
9. 8-6 Addressing of RNA into yeast and human mitochondria: mechanisms and biomedical significance **Ivan Tarassov**

# WORKSHOP 9:

## PROTEIN BIOSYNTHESIS, MATURATION, MODIFICATION, DEGRADATION

Thursday, July 10, 1100-1300, Hall J2

**Chair: Marja Makarow** (Helsinki) and **Thomas Sommer** (Berlin)

1. 9-31 In vivo evidence that translation initiation factor 3 functions in ribosomal scanning and GCN4 translational control **Klaus H. Nielsen**
2. 9-12 Members of the evolutionarily conserved PMT family of protein O-mannosyltransferases form distinct protein complexes among themselves **Sabine Strahl**
3. 9-26 Characterization of the N-terminal acetyl transferase NatB **Robert Svensson**
4. 9-1 Proteasome deubiquitinating activity - intrinsic or associated? **Agi Guterman**
5. 9-14 *HEL* genes causing high expression lethality in proteasome mutant background are involved in apoptotic cell death, transcriptional activation and cell cycle control **Wolfgang Hilt**
6. 9-22 *RAD6* dependent DNA repair is linked to modification of PCNA by ubiquitin and SUMO **Boris Pfander**
7. 9-20 Analysis of the dynamics of protein turnover in the yeast proteome **June Petty**

# WORKSHOP 10:

## MOLECULAR DISSECTION OF SIGNAL TRANSDUCTION SYSTEMS

Thursday, July 10, 1100-1300, Hall G2

**Chair: Jeremy Thorner** (Berkeley) and **Francesc Posas** *(Barcelona)*

1. 10-12 Signal propagation in the *Saccharomyces cerevisiae* invasive growth pathway **Jeremy Thorner**
2. 10-40 Yeast osmosensor Sln1 and plant cytokinin receptor Cre1 respond to changes in turgor pressure **Vladimir Reiser**
3. 10-48 Phosphorylation-regulated degradation of the yeast Ssk1p response regulator by the ubiquitin-proteasome system **Naoto Sato**
4. 10-5 Activation-dependent degradation of the MEKK Ste11p **Nicolas Dard**
5. 10-31 Tap42 mediates rapamycin-induced transcriptional effects by activating PP2A phosphates **Katrin Duevel**
6. 10-44 Downregulation of the HOG MAP kinase pathway during yeast osmotic adaptation **Bodil Nordlander**
7. 10-49 Osmostress induced transcription by Hog1-mediated recruitment of the RNA Pol II **Francesc Posas**
8. 10-2 Nbs1 is required for the S-phase DNA damage checkpoint in fission yeast **Nick Rhind**
9. 10-23 Pak1 associates with and activates Snf1 kinase **Martin Schmidt**
10. 10-1 New monomeric variants of DsRed **Daniel E Strongin**
11. 10-30 Dynamics of the components in the amino acid sensing pathway of *Saccharomyces cerevisiae* **Nadine Eckert-Boulet**

# WORKSHOP 11:

## SURVIVING IN LAB AND NATURE: STRESS RESPONSES

Wednesday, July 9, 1100-1300, Congress Hall

**Chair: Michel Toledano** (Saclay), **Markus Tamás** (Göteborg) and **Markus Proft** (Boston)

1. 11-17 A thiol-peroxydase is an $H_2O_2$ receptor and redox-transducer in gene activation **Agnes Delaunay**
2. 11-97 Transcriptional activation of metalloid tolerance genes requires the yeast AP-1 like proteins Yap1p and Yap8p **Markus Tamás**
3. 11-51 The Pkc1p MAP kinase pathway triggers oxidative stress-induced destruction of the yeast C-type cyclin **Randy Strich**
4. 11-70 TOR and PKA signaling pathways converge on a new PAS kinase family member **Ivo Pedruzzi**
5. 11-69 Activation of heat shock transcription factor Hsf1 by Snf1-dependent phosphorylation under glucose starvation conditions **Ji-Sook Hahn**
6. 11-65 Identification and characterization of novel calcineurin substrates **Victoria L. Heath**
7. 11-37 Deciphering the drug resistance regulation network in yeast with artificial transcription activators **Frederic Devaux**
8. 11-23 Control of gene expression by the yeast Hog1 MAPK **Eulalia de Nadal**
9. 11-12 Effect of Rck2p on translation during oxidative stress in *Saccharomyces cerevisiae* **Tomas Masek**
10. 11-20 A new yeast antioxidant co-factor of peroxiredoxins **Benoit Biteau**
11. 11-3 Targeted inhibition of proteasome activity is essential for survival of yeast during stationary phase **Michael Glickman**

# WORKSHOP 12:

## CONTROL AND ENGINEERING OF CELLULAR METABOLISM

Friday, July 11, 1100-1300, Hall G3

**Chair: Bärbel Hahn-Hägerdahl** (Lund) and **Uwe Sauer** (Zürich)

1. 12-25 Engineering the redox reactions of *S. cerevisiae* for improved pentose formation **Ritva Verho**
2. 12-42 Evolutionary engineering of *S. cerevisiae* for anaerobic growth on xylose **Marco Sonderegger**
3. 12-29 Genetic engineering of a yeast strain for hyperproduciton of glycerol **Helene Cordier**
4. 12-37 Characterization of KlCat8p regulation in Kluyveromyces lactis **Godefoid Charbon**
5. 12-7 Transcriptome and proteome analysis of *S. cerevisiae* metabolic responses to glucose and ethanol as carbon sources **Pascale Daran-Lapujade**
6. 12-2 Metabolic regulation of heme biosynthesis **Marta Hoffman**
7. 12-51 Control of dynamic cell(-cell) signalling **Hans V. Westerhoff**
8. 12-26 Total biosynthesis of hydrocortisone from a simple carbon source in yeast **Bruno Dumas**

# WORKSHOP 13:

## DIVERSITY, REGULATION AND SIGNALLING FUNCTION OF MEMBRANE TRANSPORTERS

Wednesday, July 9, 1100-1300, Hall G3

**Chair: Bruno André** (Brussels) and **Eckhard Boles** (Frankfurt)

1. 13-9 Ferrichrome induces endosome to plasma membrane cycling of the ferrichrome transporter, Arn1p, in *Saccharomyces cerevisiae* **Caroline C. Philpott**

# WORKSHOP 13: continued

2. 13-11 Effect of lipids on trafficking of proteins within the plasma membranes of yeast **Miroslava Opekarová**
3. 13-14 The AQR1 transporter mediates amino acid excretion in *Saccharomyces cerevisiae* **Isabel Velasco**
4. 13-40 Functional reconstitution, regulation of expression, and targeting of Ant1p, the peroxisomal adenine nucleotide carrier **Hanspeter Rottensteiner**
5. 13-53 A short regulatory domain restricts glycerol transport through yeast Fps1p **Sara Karlgren**
6. 10-33 Glucose regulation of *HXT* gene expression by the transcription factor Rgt1 **Sabire Ozcan**
7. 13-27 The first known gene encoding a plasma-membrane transporter for vitamin B-6 **Juergen Stolz**
8. 13-19 Development of a model system to study the topogenesis of the nucleobase-ascorbate transporter family **Areti Pantazopoulou**
9. 13-25 Distinct amino acid residues within the pore loop determine $K^+$-dependent gating and pore stability in the yeast $K^+$ channel, Tok1 **Adam Bertl**
10. 13-52 Magnesium uptake and homeostasis in yeast **Richard Gardner**

# WORKSHOP 14:

## CONTROL OF CELL GROWTH AND CELL DIVISION

Tuesday, July 8, 1100-1300, Hall G3

**Chair: Sergio Moreno** (Salamanca) and **Etienne Schwob** (Montpellier)

1. 14-35 mRNA stability and translational control: two new ways of keeping the Cdk inhibitor Rum1 under control **Sergio Moreno**
2. 14-27 Interaction of TOR signaling and histone acetylase complexes at ribosomal protein promoters **Maria Cardenas**

# WORKSHOP 14: continued

3. 14-23 Far1 is a component of the cell sizer mechanism involved in the G1/S transition in vegetatively growing *S. cerevisiae* cells **Marco Vanoni**
4. 14-32 Fission yeast meiotic regulator Mei2p forms a dot structure in association with the *sme2* locus on chromosome II during meiotic prophase **Masayuki Yamamoto**
5. 14-33 Mes1p is a meiotic regulator that interacts with and inhibits Slp1p in fission yeast **Daisuke Izawa**
6. 14-10 Fission yeast PI/PC transfer protein, Spo20, is required for integrity of meiotic spindle pole bodies **Chikashi Shimoda**
7. 14-34 Meiotic differentiation in yeast colonies: a model for boundary formation? **Saul M Honigberg**
8. 14-1 Co-ordination of spindle orientation and mitotic progression in fission yeast **Jonathan Millar**
9. 14-2 HAT Gcn5p is required for proper chromosome segregation and mitotic exit **Patrizia Filetici**
10. 14-26 The *S. cerevisiae* 14-3-3 homolog Bmh1 has multiple roles in DNA metabolism and DNA damage checkpoint response **Francisca Lottersberger**
11. 14-25 Asynchronous mitoses in a multinucleated cell **Amy Gladfelter**
12. 14-7 Orchestrating chromosome segregation during mitosis **Frank Uhlmann**
13. 14-21 Budding yeast PAK kinases regulate mitotic exit by two different mechanisms **Elena Chiroli**
14. 14-8 Ras recruits mitotic exit regulator Lte1 to the bud cortex in budding yeast **Akio Toh-e**

# WORKSHOP 15:

## SYSTEMATIC ASSESSMENT OF FUNCTION

Friday, July 11, 1100-1300, Congress Hall

**Chair: Timothy Hughes** (Toronto) and **Peter Uetz** (Karlsruhe)

1. 15-4 Genomic screen for new vacuole protein sorting mutants in *Saccharomyces cerevisiae* **Cecilia Bonangelino**
2. 15-2 Genome-wide gene deletion screen for components involved in mitochondrial biogenesis **Benedikt Westermann**
3. 22-7 Constructing a collection of Tet-promoter alleles for all essential genes in *S. cerevisiae* **Sanie Mnaimneh**
4. 22-14 Assessing contributions to fitness of individual genes via genome-wide competition analysis **Daniela Delneri**
5. 22-33 Predicting synthetic lethality from a diverse collection of gene and protein relationships **Frederick Roth**
6. 15-8 Using yeast to place foreign genes into different functional categories **Nianshu Zhang**
7. 22-6 Genomic Run-On: a method to evaluate transcription rates and mRNA half-lives for all yeast genes **Jose E. Perez-Ortin**
8. 22-13 Comparison of gene expression and regulation in budding and fission yeasts **Katja Kivinen**
9. 22-11 Influence of growth rate on the patterns of gene expression and metabolic profiles in yeast chemostat cultures **Juan I Castrillo**
10. 307 Identification of membrane protein interactions using the trans-activator-based membrane yeast two-hybrid technology (TAMYTH) **Igor Stagljar**

# WORKSHOP 16:

## COMPARING GENOMES

Thursday, July 10, 1100-1300, Hall G3

**Chair: Jure Piskur** (Lyngby) and **Jacques van Helden** (Brussels)

1. 16-16 Defining *Saccharomyces* genes **Michael Cherry**
2. 16-17 Inferring gene function from genome comparison **Jacques van Helden**
3. 16-5 How to use genome-wide expression data to learn from yeast about gene regulation in higher eukaryotes **Sven Bergman**
4. 16-21 *Saccharomyces* comparative genomics: Genes, regulatory motifs, and genome evolution **Manolis Kellis (Kamvysselis)**
5. 16-7 Origins of the yeast genome **Jure Piskur**
6. 16-9 Accelerated evolution of some gene copies after genome duplication in *Saccharomyces* **Mario A Fares**
7. 16-11 Differential evolution of the *Saccharomyces cerevisae DUP240* paralogs, implication of recombination in phylogeny reconstructions **Laurence Despons**
8. 16-14 The dimorphic yeast *Yarrowia lypolytica* genome sequencing project **Serge Casaregola**
9. 16-13 Sequencing and Analysis of the *Hansenula polymorpha* Genome **Massoud Ramezani-Rad**
10. 16-20 Comparative and evolutionary mitochondrial genomics of fission yeasts **B Franz Lang**

# WORKSHOP 17:

## BEYOND FUNCTIONAL ANALYSIS: SYSTEMS BIOLOGY

Wednesday, July 9, 1100-1300, Hall J1

**Chair: Lilia Alberghina** (Milano) and **Hans Westerhoff** (Amsterdam)

1. 17-12 Systems biology approaches in budding yeast **Lilia Alberghina**

# WORKSHOP 17: continued

2. 17-15 Network motifs in the transcriptional regulation network of *S. cerevisiae* **Uri Alon**
3. 17-3 The weak organic acid stress response in yeast: Pdr12p and War1p are necessary and suffcient for stress adaptation **Karl Kuchler**
4. 17-8 A model identification algorithm for cell signalling pathways **Peter Gennemark**
5. 17-9 Mathematical modeling of signal transduction in yeast **Edda Klipp**
6. 17-5 Yeast expression at your fingertips **Jan Ihmels**
7. 17-2 Metabolic engineering in *Sacchamoryces cerevisiae* through the use of a reconstructed genome-scale metabolic network leads to improved ethanol production **Jochen Förster**
8. 17-6 Metabolic characterization of regulatory knockout mutants of *Saccharomyces cerevisiae* **Lars M Blank**
9. 17-11 Integrated analysis of glycolytic rate control - a systems biology approach **Carl Johan Franzén**
10. 17-13 Systems-oriented modeling of *Saccharomyces cerevisiae*: coupling cell cycle progression and energy metabolism **Dirk Mueller**
11. 17-1 A deterministic molecular model of the fission yeast cell cycle **Akos Sveiczer**

# WORKSHOP 18:

## YEAST APOPTOSIS AND AGEING

Thursday, July 10, 1100-1300, Hall J1

**Chair: Katherine Smart** (Oxford) and **Frank Madeo (**Tübingen)

1. 18-31 Yeast cells lacking the tumor suppressor homologue *SOP1/SRO7* show increased suscepibility to caspase dependent apoptosis on exposure to NaCl stress **Lennart Adler**

# WORKSHOP 18: continued

2. 18-27 Efficient killer toxin mediated killing requires yeast caspase 1 and apoptosis **Jochen Reiter**
3. 18-26 Sugars induce apoptotic death of yeast cells **David Granot**
4. 18-22 Obesity, apoptosis and yeast **Robert Yang Hongyuan**
5. 18-15 Dissecting cell death in the pathogenic yeast *Candida albicans* **Mark Ramsdale**
6. 18-23 mRNA-stability and yeast apoptosis **Christina Mazzoni**
7. 18-39 Asymetric inheritance of oxidized proteins during cytokinesis: a Sir2p dependent process **Hugo Aguilianu**
8. 18-11 Regulation of cell death and stress resistance in *Saccharomyces cerevisiae* **Valter Longo**
9. 18-41 Contributions to the physiology, genetics and genomics of yeast mother cell-specific ageing **Michael Breitenbach**
10. 18-42 Oxygen concentration and ascorbate modulate lifespan and some other physiological consequences of superoxide dismutase (CuZnSOD) defficiency in yeast **Tomasz Bilinski**
11. 18-46 Age-related hotsopts of oxidative damage in yeast genomic and mitochondrial DNA **Lesley Iwanejiko**
12. 18-7 SGS1 and SRS2 **Hocine W. Mankouri**

# WORKSHOP 19:

## NEW CONCEPTS IN YEAST BIOTECHNOLOGY

Tuesday, July 8, 1100-1300, Congress Hall

**Chair: Han de Winde** (Delft) and **Jürgen Bauer** (Heidelberg)

1. 19-06, 14 Functional genomics technology in baker's yeast research and strain improvement **Francesca Randez-Gil**
2. 19-21, 35 idem ; combined **Han de Winde**
3. 19-04 A role for aquaporins in yeast freeze tolerance revealed by genome-wide gene expression analysis **An Tanghe**
4. 12-49 Construction of lactic acid producing sour dough yeast *Torulaspora delbrueckii* **Matti Korhola**

# WORKSHOP 19: continued

5. 19-12 New concepts in wine yeast biotechnology **Sakkie Pretorius**
6. 19-34, 37 idem ; combined **Sylvie Dequin**
7. 19-39 Genetic and enological analyses of a genetically enhanced malolactic wine yeast strain: A new era in wine making **Hennie van Vuuren**
8. 19-18 Genome-wide Analysis of yeast gene expression during wine fermentation **Tristan Rossignol**
9. 13-42 Lager yeast versus *Saccharomyces cerevisiae* **Morten Kielland-Brandt**
10. 23-03 idem ; combined **Kathryn Smart**
11. 19-02 Study of protein and gene expression during fermentation and in response to stress using 2D and microarrays technologies **Dominique Kobi**
12. 11-62 Occurrence and functionality of cold shock genes in *Saccharomyces species* **Jessica Leclaire**
13 Pro's and con's of protein production in yeast and fungi **Carsten Hjort**
14. 19-08 idem ; combined **Kes van den Hondel**
15. 19-10 Adaptation of aprotinin producing *Saccharomyces cerevisiae* strains to glucose limited conditions **Astrid Mörkeberg**
16. 19-11 A cell growth selection system to detect extracellular and transmembrane protein interactions **David Urech**
17. 19-31 Target identification and metabolic engineering driven by genome - wide transcription profiling J**ürgen Bauer**
18. 19-26 idem ; combined **Jeff Eglinton**
19. 22-03 Transcriptional responses of *Saccharomyces cerevisiae* to limitations of carbon, nitrogen, phosphorus or sulfur **Viktor Boer**
20. 22-17 Yeast phenomics on a genome-wide scale **Jonas Warringer**

# WORKSHOP 20:

## USING YEAST TO STUDY FOREIGN GENES

Wednesday, July 9, 1100-1300, Hall J2

**Chair: Hans Ronne** (Uppsala) and **Gerhard Braus** (Göttingen)

1. 11-90 Genomics-based identification of a new yeast mitochondrial heat shock-induced protein that is a functional ortholog to a mammalian kidney disease gene **Amy Trott**
2. 12-9 Uncoupling of glucose sensitivity and deregulation of glycolysis in *Saccharomyces cerevisiae tps1* mutants expressing **Beatriz M. Bonini**
3. 13-29 Utilization of *S. cerevisiae* mutants defective in high affinity copper uptake to characterize copper transporters from plants and **Sergi Puig**
4. 13-35 Using yeast to study structure and function of mammalian aquagly ceroporins **Nina Pettersson**
5. 18-1 Yeast cell - a system to study the action of a neurotoxic phospholi pase A 2 **Uros Petrovic**
6. 18-14 *Saccharomyces cerevisiae* as a model system for the study of the regulation of the mammalian AMP-activated protein kinase **Jose V. Gimeno-Alcañiz**
7. 18-44 Search for substrates of Cdk5 kinase and factors that regulate Cdk5·p35 activity using the yeast *Saccharomyces cerevisiae* **Youko Horiuchi**
8. 20-9 Genetic suppression of cell cycle G2 arrest induced by HIV-1 viral protein R (Vpr) in fission yeast **Zsigmond Benko**
9. 20-X Glucose regulation of histone acetylation in yeast and mammalian cells **Amber Mosley**

# ARENA MICROSCOPY - ORAL PRESENTATIONS

## Wednesday, July 9, 1400-1515, Hall G1

**Chair**: **Sepp Kohlwein** (Graz) and **Per Sunnerhagen** (Göteborg)

1. 13-54 Visualization of protein compartmentation within the plasma membrane of living yeast cells **Katerina Malinska**
2. 21-1 Ultrastructural Hxt5p localization upon repression of transcription **Denise van Suylekom**
3. 13-12 Subcellular localisation of an active green fluorescent protein-tagged GUP1 glycerol transporter in *Saccharomyces cerevisiae* **Gianluca Bleve**
4. 13-34 Characterisation of the *Saccharomyces aquaporins*. Stress-induced changes in aquaporin localisation **Frédéric Sidoux-Walter**
5. 21-2 Using confocal microscopy and fixed cells to measure the cohesin dynamics during meiosis in yeast **Zhoujie Zhang**
6. A practical guide to FRET **Trisha Davis**

## Friday, July 11, 1400-1515, Hall G1

1. 1-22 Video imaging of vacuole fusion in living fission yeast cells **John Armstrong**
2. 4-13 D imaging of *Schizosaccharomyces pombe* hyphal cells **Evelyn Amoa-Buahin**
3. The mitochondrial network visualized with a Bio2p-GFP fusion protein **Jürgen Stolz**
4. 21-5 Spatial and temporal dynamics of fission deficient mitochondria **Stefan Jakobs**
5. 14-25 Ashbya gossypii as a model organism to study the regulation of the nuclear division cycle in multinucleate cells **Amy Gladfelter**
6. 21-3 YPL.DB - the Yeast Protein Localization Database **Sepp Kohlwein**

# ARENA IN GENOMICS, DATABASES AND BIOINFORMATICS - ON-LINE DEMONSTRATIONS

**Chair: Hans-Werner Mewes** (Munich) and **Anders Blomberg** (Göteborg)

Tuesday July 8, 1300 - 1600, theme “gene expression” [E]
Wednesday July 9, 1300 - 1600, theme “protein-protein interaction” [I]
Friday July 11, 1300 - 1600, theme “comparing genomes” [G]

1. *"The SGD database"* [G] 22-35 The community annotation system at the *Saccharomyces genome* database (SGD) **Chandra Theesfeld, Mike Cherry**
2. *"The MIPS database"* [E, I, G] 22-5 On track to provide convenient genome data: The MIPS comprehensive yeast genome database **Ulrich Gueldener**
3. *"The AGD database"* 22-16 The Ashbya genome database (AGD) provides information about highly accurate annotated fungus genes and their synteny between *Ashbya* and *Saccharomycea* **Leandro Hermida**
4. "*The Swiss prot database"* 22-18 Model organisms *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe* in the Swiss-prot database **Kati Laiho**
5. *"The GermOnline database"* 22-22 GermOnline is a knowledgebase about meiosis and gametogenesis designed, curated and updated by biologists **Christa Wiederhehr**
6. *"The PROPHECY database"* 22-31 PROPHECY - a database with standardized high precision quantitative phenotypic information of yeast deletion strains **Luciano Fernandez-Ricaud**
7. *"The EUROSCARF database"* 22-32 The yeast strain collection EUROSCARF: A source for useful tools in yeast genetics and molecular biology **Matthias Rose**
8. *"The Genolevures database"* 16-8 The dimorphic yeast *Yarrowia lypolytica* genome sequencing project **Serge Casaregola**
9. "*The Hansenula polymorpha genome database"* 16-13 Sequencing and analysis of the *Hansenula polymorpha* genome **Massoud Ramezani-Rad**
10. *"Tools for S. cerevisiae and S. pombe transcriptomes mining"* [E, I] 22-40 The Yeast Microarray Global Viewer (yMGV) **Marc Philippe**
11. *"The YETI bioinformatics tool"* [E, I, G] 22-19 YETI: Yeast exploration tool integrator **Richard Orton**
12. *" C4.5 data-mining bioinformatics tool"* [G] 22-37 Learning rules for predicting homologues in hemiascomycetous yeasts using Genolevures manually-curated alignements **David Sherman**
13. *"Annotation bioinformatics tool"* 16-16 Defining *Saccharomyces* genes **Michael Cherry**
14. *"Expression analysis bioinformatics tool"* [E] 16-5 How to use genome-wide expression data to learn from yeast about gene regulation in higher eukaryotes **Sven Bergmann**

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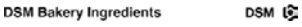












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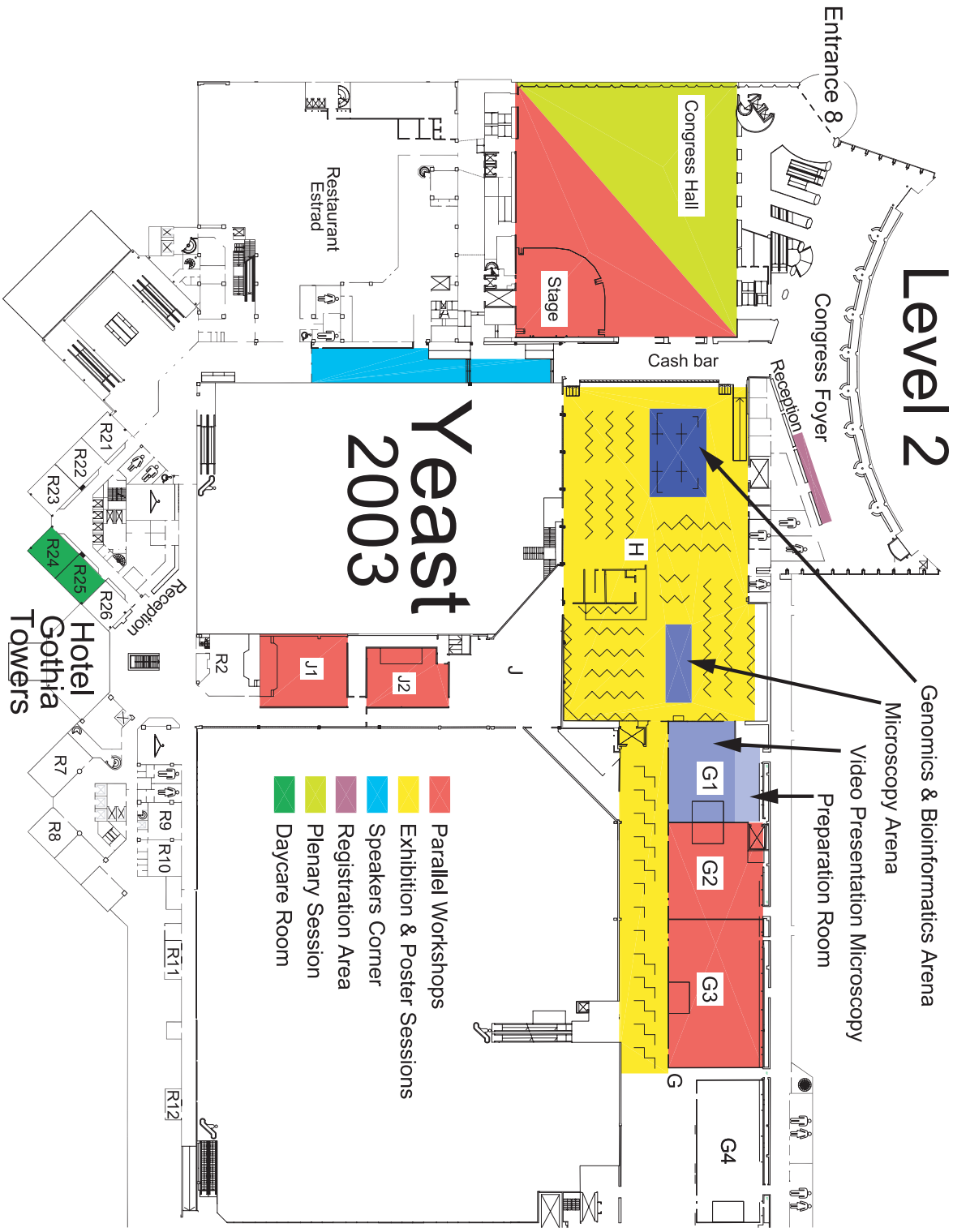
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G4
Genomics & Bioinformatics Arena
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Preparation Room
Parallel Workshops
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