

The 9th International Fission Yeast Meeting

Sunday, May 14

Registration

3:00 - 6:00 PM

PDC Main Lobby Lounge

Reception

5:30 - 7:30 PM

Kinnear Centre, 1st Floor

Session 1: Keynote Talks

7:45 - 10:00 PM

Paul Young

Max Bell Auditorium

7:45 Welcoming remarks

8:00 Shiv Grewal

Abs 1

Heterochromatin Inheritance and Epigenetic Genome Control: Implications for Chromosome Dynamics and Genome Stability

8:45 Kathy Gould

Abs 2

Organizing the Split: Nanoscale Architecture of the Cell Division Machinery

9:30 Tribute to Amar Klar

Monday, May 15

Session 2: DNA Replication

8:30 - 10:00 AM

Susan Forsburg, Eishi Noguchi

Max Bell Auditorium

8:30 Sally Pasion

Abs 3

The Cds1 Dosage Growth Defect in Fission Yeast *cdc24* Depends on The FEN1 Homolog, Rad2

8:48 Kuo-Fang Shen

Abs 4

A potential role of replication timing in regulating genome instability

9:06 Olaf Nielsen

Abs 5

Deoxynucleoside salvage in fission yeast: rescue of ribonucleotide reductase deficiency but not Spd1 mediated inhibition of replication

9:24 Io Yamamoto

Abs 6

Fission yeast Stn1 is required for proper replication at the ribosomal DNA

Special Presentation

9:42 Valerie Wood

Abs 7

The New, Improved PomBase

Coffee Break

10:00 - 10:30 AM

Session 3: Chromatin and Epigenetics

10:30 - 12:00 AM

Shiv Grewal, Karl Ekwall

Max Bell Auditorium

- 10:30 Benjamin Roche Abs 8**
RNA Interference Is Essential for Cellular Quiescence
- 10:45 Robin Allshire Abs 9**
Nucleation, Heritability and Dynamics of Specialized Chromatin Domain
- 11:00 Thomas Schalch Abs 10**
Molecular Dissection of the *S. pombe* Gene Silencing Machine SHREC
- 11:15 Martin Zofall Abs 11**
Trf1 Homologue Taz1 Promotes Facultative Heterochromatin Assembly at Chromosome-Internal Sites Containing Late Replication Origins
- 11:30 Songtao Jia Abs 12**
Functional Analysis of Oncogenic Histone Lysine-To-Methionine Mutations
- 11:45 Mikel Zaratiegui Abs 13**
The Mechanism of CENP-B Dependent Long Terminal Repeat Silencing

Lunch

12:00 - 1:30 PM

Kinnear Centre, 1st Floor

Parallel Workshops: Session A

1:30 - 3:00 PM

Kinnear Centre, 3rd Floor

I. Tools and Techniques

Charlie Hoffman, Sarah Sabatinos

- 1:30 Ronan Fernandez Abs 14**
Use of A Fluoride Channel as A New Selection Marker for Fission Yeast Plasmids and Application to Fast Genome Editing With CRISPR/Cas9
- 1:45 María Rodríguez-López Abs 15**
CRISPR/Cas9 Method and Primer Design Tool for Seamless Genome Editing
- 2:00 Xiao-Ran Zhang Abs 16**
A Cloning-Free Method for CRISPR/Cas9-Mediated Genome Editing in Fission Yeast
- 2:15 Si Young Lee Abs 17**
Dense Profiles of Transposon Integration Identify Novel Genes That Promote Heterochromatin in Fission Yeast
- 2:30 Nick Rhind Abs 18**
An Estradiol-Inducible Promoter Enables Fast, Graduated Control of Gene Expression
- 2:45 Best Practices**

II. Structural Biology

Mitsuhiro Yanagida

- 1:30 Mitsuhiro Yanagida Abs 19**
Cohesin Clip Model Disclosed by Atomic Structure Assignment of Numerous Genetic Suppressors
- 1:45 Eric di Luccio Abs 20**
Set7 Is a Novel Histone Methyltransferase in *Schizosaccharomyces pombe*
- 2:00 Fei Li Abs 21**
Coordinated Regulation of Heterochromatin Inheritance by Dpb4-Daf1 Complex

2:15 Feng Qiao **Abs 22**
Structural Basis for Telomere Length Regulation by Hierarchical Assembly of Shelterin Bridge

2:30 Xiangwei He **Abs 23**
Biochemical and Microscopical Evidence for Ribosome Heterogeneity

Coffee Break

3:00 - 3:30 PM

Session 4: Rapid Fire Presentations

3:30 - 5:00 PM

Jim Karagiannis
Max Bell Auditorium

3:30 Keita Aoki **Abs 24**
Release of Condensin From Mitotic Chromosomes Requires Ran-GTP Gradient in The Regenerated Nucleus

3:40 Ryuta Asada **Abs 25**
Transcriptional Activation Via “Catch-And-Release” Translocation of Transcription Factor Rst2 Between Activation Sites Is Mediated by Local Higher-Order Genome Structure

3:50 Veneta Gerganova **Abs 26**
Towards the *in vitro* Reconstitution of Pom1 Gradients

4:00 Brian Hercyk **Abs 27**
Cytokinetic Events Are Spatiotemporally Organized by a Gradient of Active Cdc42

4:10 Eriko Oya **Abs 28**
Paf1C Is Required for Survival During Long-Term Quiescence

4:20 Ashyad Rayhan **Abs 29**
Using Genetic Buffering Relationships Identified in Fission Yeast to Elucidate the Molecular Pathology of Tuberous Sclerosis

4:30 Tadashi Ishiguro **Abs 30**
Histone H2A-K119 Malonylation Inhibits Bub1-Dependent H2A Phosphorylation and Chromosomal Shugoshin Localization

4:40 Ana Belen Iglesias-Romero **Abs 31**
Implications of MAPK Pmk1 in the Spindle Assembly Checkpoint Regulation

4:50 Iain George **Abs 32**
Deducing the mRNA Regulatory Role of Puf3, a Member of the Pumilio Gene Family in Fission Yeast

Dinner

6:00 – 7:30 PM

Kinnear Centre, 1st Floor

Poster Session I Setup

12:00 – 7:30 PM

Kinnear Centre, 2nd Floor

Poster Session I + Drinks

7:30 – 10:00 PM

Kinnear Centre, 2nd Floor

Tuesday, May 16

Posters I (Take down by 8:00 PM)

Kinnear Centre, 2nd Floor

Session 5: Mitosis

Kathy Gould

8:30 – 10:00 AM

Max Bell Auditorium

8:30 Iva Tolic

Abs 33

Microtubule Pivoting and Minus End Directed Motors Drive the Formation of the Mitotic Spindle

8:48 Corinne Pinder

Abs 34

Exploring the Mitotic Roles of Kinesin-8 in Fission Yeast

9:06 Alfonso Fernandez-Alvarez

Abs 35

Rabl Configuration During Interphase Directly Regulates Nuclear Remodeling at Mitotic Onset

9:24 Masashi Yukawa

Abs 36

Assembly of the Mitotic Bipolar Spindle in the Absence of Kinesin-5 Cut7

9:42 Meredith Betterton

Abs 37

Modeling Bipolar Mitotic Spindle Assembly and Stability

Coffee Break

10:00 – 10:30 AM

Session 6: Cytokinesis

Mohan Balasubramanian

10:30 – 12:00 AM

Max Bell Auditorium

10:30 Mohan Balasubramanian

Abs 38

Curvature-Induced Expulsion of Actomyosin Bundles During Cytokinetic Ring Contraction

10:48 Maitreyi Das

Abs 39

Cdc42 GEF Gef1 and Endocytosis Promote Uniform Protein Organization Along the Cytokinetic Ring to Enable Concentric Furrowing

11:06 Kenneth Gerien

Abs 40

Fission Yeast Rng15 Aids Efficient Vesicle Fusion at the Division Site and is Required for Late Stages of Cytokinesis

11:24 MariaSanta Mangione

Abs 41

Identification of Kinases That Phosphorylate the Cytokinetic F-BAR Protein Cdc15

11:42 Dorothy Michalski

Abs 42

A Genetic Screen for Fission Yeast Gene Deletion Mutants Exhibiting Hypersensitivity to Latrunculin A

Free Afternoon and Evening

12:00 -

Wednesday, May 17

Session 7: Meiosis and Cell Differentiation

8:30 - 10:00 AM

Iva Tolic

Max Bell Auditorium

8:30 Ke Zhang

Abs 43

The Fission Yeast MTREC and EJC Orthologs Ensure the Maturation of Meiotic Transcripts during Meiosis

8:48 Da-Qiao Ding

Abs 44

RNA Transcription and Termination Factors Are Important in Meiotic Homologous Chromosome Pairing in *S. pombe*

9:06 Iva Tolić

Abs 45

Meiotic Nuclear Oscillations Are Necessary to Avoid Excessive Chromosome Associations

9:24 Gerald Smith

Abs 46

Meiotic Crossover Interference – Finding Its Molecular Basis Where It Is Not

9:42 Ayumu Yamamoto

Abs 47

Chiasmata Causes Destabilization of Bipolar Attachments of Sister Chromatids at Meiosis I

Coffee Break

10:00 - 10:30 AM

Session 8: Cell Polarity and Morphology

10:30 - 12:00 AM

Fred Chang

Max Bell Auditorium

10:30 Fred Chang

Abs 48

Supergrowth: Effect of Osmotic Oscillations on Cell Growth and Regulation of Protein Concentration.

10:50 Ye-Dee Tay

Abs 49

Fission Yeast Polarized Growth Relies on Microtubule-Dependent Coordination of Global and Local Cdc42 Guanine-Nucleotide Exchange Factors.

11:10 Cassandre Kinnaer

Abs 50

Establishing *Schizosaccharomyces japonicus* as a New Model to Study Polarized Growth.

11:30 Joseph Magliozzi

Abs 51

Regulation of Cell Cycle and Cell Polarity Signaling Pathways by Skb1.

Lunch

12:00 - 1:30 PM

Kinnear Centre, 1st Floor

Parallel Workshops: Session B

1:30 - 3:00 PM

Kinnear Centre, 3rd Floor

III. Systems Biology

Nick Rhind, Gordon Chua

- 1:30 José Ayté Abs 52**
The G1-to-S Transcriptional Wave Is Induced Through a Biphasic Mechanism
- 1:45 Dom Helmlinger Abs 53**
The TORC1 And TORC2 Signaling Pathways Converge to Regulate the SAGA Transcriptional Co-Activator in Response to Nutrient Availability
- 2:00 Vahid Shahrezaei Abs 54**
Global Regulation of Transcription by Cell Size
- 2:15 Richard Joh Abs 55**
Survival in Quiescence Requires the Euchromatic Deployment of Ctr4/SUV39H by Argonaute-Associated Small RNAs
- 2:30 David Ellis Abs 56**
The Changing Genomic Landscape of Ageing Cells

IV. Imaging and Cytological Approaches

Yashushi Hiraoka

- 1:30 Scott Curran Abs 57**
An Imagestream Screen of GFP-Tagged Cell Cycle Regulators
- 1:45 Fred Chang Abs 58**
Measuring the Size of Fission Yeast: Evidence for Exponential Growth
- 2:00 Hidenori Nakaoka Abs 59**
Growth, Death, and Aging in Fission Yeast
- 2:15 Yasuhiro Hirano Abs 60**
Lem2 Localization to the Nuclear Envelope Is Biased by Its Interaction with Another Nuclear Membrane Protein Bqt4 in Fission Yeast
- 2:30 Haruhiko Asakawa Abs 61**
Organization of The Nuclear Pore Core Complex Revealed by Immunoelectron Microscopy in The Fission Yeast *Schizosaccharomyces pombe*

V. Genome Wide Screening

Jurg Bahler

- 1:30 Helena Cantwell Abs 62**
Nuclear Size Homeostasis in Fission Yeast
- 1:45 Takahisa Maki Abs 63**
A Genome-Wide Screening for Mating-Type Switching Defective Mutants of *Schizosaccharomyces pombe*
- 2:00 Ken Ishikawa Abs 64**
Glycan Alteration Imparts Cellular Resistance to a Membrane-Lytic Anticancer Peptide
- 2:15 Rafael Hoyos-Manchado Abs 65**
Formamide: The RNA Kryptonite
- 2:30 Brett Bukowski Abs 66**
Characterization of the *Pseudomonas aeruginosa* ExoY Virulence Factor Using Genetic and Chemical Genetic Screens in *S. pombe*
- 2:45 StJohn Townsend Abs 67**
Facilitating High-Throughput Assays for Functional Profiling and Chronological Lifespan

Coffee Break

3:00 - 3:30 PM

Session 9: Transcription

3:30 - 5:00 PM

**Francois Bachand
Max Bell Auditorium**

3:30 Samuel Marguerat

Abs 68

Fission Yeast Transcriptional Heterogeneity Surveyed by Single Cell RNA Sequencing

3:48 Olaf Nielsen

Abs 69

A Promoter Atlas of *Schizosaccharomyces pombe* Reveals Stress-Induced Usage of Alternative Promoters

4:06 Gordon Chua

Abs 70

Mapping the Transcriptional-Regulatory Network of Flocculation in Fission Yeast

4:24 Alberto Elisa-Villalobos

Abs 71

The HSP90 Co-Chaperone TTT Controls the Incorporation of the Tra1 Pseudo-Kinase into the SAGA Transcriptional Co-Activator Complex

4:42 Eishi Noguchi

Abs 72

Maf1, The Master Regulator of RNA Polymerase III, Promotes Genomic Integrity to Extend Lifespan Under Calorie-Restricted Conditions

Dinner

6:00 - 7:30 PM

Kinnear Centre, 1st Floor

Poster Session 2 Setup

12:00 - 7:30 PM

Kinnear Centre 2nd Floor

Poster Session 2 + Drinks

7:30 - 10:00 PM

Kinnear Centre, 2nd Floor

Thursday, May 18

Posters 2 (take down by 3:00 PM)

Kinnear Centre, 2nd Floor

Session 10: Stress Response and Signaling

8:30 - 10:00 PM

**Kaz Shiozaki
Max Bell Auditorium**

8:30 Juan Mata

Abs 73

Global Translational and Transcriptional Responses to Stress

8:48 Shigeaki Saitoh

Abs 74

Cellular Mechanisms for Proliferation Under Low Glucose Conditions

9:06 Kaz Shiozaki

Abs 75

Interaction Between the Spc1/Sty1 Stress-Activated Protein Kinase and TOR C Complex 2

9:24 Ronit Weisman

Abs 76

TOR complex 2 is a New Player in the Assembly of Facultative Heterochromatin and Gene Silencing

9:42 Henry Levin **Abs 77**
Transposable Element Integration Rewires Regulatory Networks to Protect Cells Against Stress

Coffee Break

10:00 - 10:30 PM

Session 11: Cell Cycle Checkpoints

10:30 - 12:00 PM

Paul Russell

Max Bell Auditorium

10:30 James Moseley **Abs 78**

How Cdr2 Nodes Regulate Cell Size at Division Through Wee1

10:48 Silke Hauf **Abs 79**

Different Functionality of Cdc20 Binding Sites Within the Mitotic Checkpoint Complex

11:06 Nick Rhind **Abs 80**

Size-Dependent Accumulation of Cdc13 And Cdc25 Regulate Fission Yeast Cell Size

11:24 Jonathan Millar **Abs 81**

Regulation of Kinesin-8 Function Through the Cell Cycle

11:42 Sarah Sabatinos **Abs 149**

Replication-Inhibiting Mechanisms That Contribute to Chemotherapy Sensitivity and Resistance in Fission Yeast

Lunch

12:00 - 1:30 PM

Kinnear Centre, 1st Floor

Session 12: Proteomics

1:30 – 3:00 PM

Juan Mata

Max Bell Auditorium

1:30 Caia Duncan **Abs 83**

Identification and Characterization of Novel Translated Features in *S. pombe* Meiosis

1:48 Dan-Dan Xu **Abs 84**

Implementing the APEX Technology in Fission Yeast for Electron Microscopy and Proximity Proteomic Analyses

2:06 Hilbert Magpantay **Abs 85**

The Role of eif5a And Its Post-Translational Modifications in Protein Translation

2:24 Eun-Jung Kim **Abs 86**

Role of Rsv1 In Maintaining Cell Viability Under Glucose-Starved Condition

Coffee Break

3:00 - 3:30 PM

Session 13: DNA Repair and Recombination

3:30 - 5:00 PM

Benoit Arcangioli

Max Bell Auditorium

3:30 Jie Ren **Abs 87**

Dcr1 In Action at the Replication-Transcription Collisions to Protect Genome Integrity

- 3:48 Paul Russell Abs 88**
 Formation and Repair of Single-Strand and Double-Strand Breaks in DNA
- 4:06 Michael Eickbush Abs 89**
wtf Genes Are Prolific Dual Poison-Antidote Meiotic Drivers
- 4:24 Jürg Bähler Abs 90**
 Exploiting the Genomic and Phenotypic Diversity of *S. pombe*
- 4:42 Benoit Arcangioli Abs 170**
 Dynamic formation and erasing of 5-methyldeoxycytosine in fission yeast

Dinner

6:30 - 10:00 PM

Kinnear Centre, 1st Floor

Friday, May 19

Session 14: RNA/Protein Transport and Processing

8:30 - 10:00 AM

**Janet Leatherwood
 Max Bell Auditorium**

- 8:30 Cristina Cotobal Abs 91**
 Functional Profiling of Long Non-Coding RNAs
- 8:48 Atsuko Miki Abs 92**
 Decay Regulation of Antisense RNAs From Stress Responsive Loci
- 9:06 Victor Tallada Abs 93**
 When Splicing Met The End
- 9:24 Janet Leatherwood Abs 94**
 RNA Machinations in Control of Meiosis
- 9:42 Ryosuke Satoh Abs 95**
 Spatial Regulation of The KH Domain RNA-Binding Protein Rnc1 Mediated by A Crm1-Independent Nuclear Export System

Coffee Break

10:00 - 10:30 AM

Session 15: Telomeres and RNAi

10:30 - 12:00 AM

**Junko Kanoh
 Max Bell Auditorium**

- 10:30 Junko Kanoh Abs 96**
 Subtelomeres Constitute a Safeguard for Gene Expression and Chromosome Homeostasis
- 10:48 Sigurd Braun Abs 97**
 The Shelterin Complex Controls Telomeric Silencing Through Nucleosome Stability
- 11:06 Rachel Helston Abs 98**
 RNase P, RNase MRP and Telomerase Share Protein Components in the Fission Yeast *S. pombe*

11:24 Kei Kawakami

Abs 123

Histone Methyltransferase Complex CLRC Ubiquitinates And Degrades the Putative Histone Demethylase Epe1 To Facilitate Heterochromatin Assembly

11:42 Yota Murakami

Abs 100

Multiple Roles of a Jmjc-Domain Protein, Epe1, in Epigenome Regulation in Fission Yeast

Closing Remarks

12:00 – 12:10 PM

POSTER SESSION 1 (Monday 7:30-10:00 PM)

(Abstracts 14-33, 36, 45, 51, 77, 84, 93, 101-114, 116-126, 128-130)

Poster set up- Monday 12:00 - 7:30 PM

Poster take down- by Tuesday, 8:00 PM

- 14 Ronan Fernandez and Julien Berro. Use of a Fluoride Channel as a New Selection Marker for Fission Yeast Plasmids and Application to Fast Genome Editing With CRISPR/Cas9
- 15 Maria Rodríguez-López, Cristina Cotobal, Oscar Fernández-Sánchez, Natalia Borbarán, Bravo, Risky Oktriani, Heike Abendroth, Dardan Uka, Mimoza Hoti, Jin Wang, Mikel Zaratiegui and Jürg Bähler. CRISPR/Cas9 Method and Primer Design Tool for Seamless Genome Editing
- 16 Xiao-Ran Zhang, Jia-Bei He, Yi-Zheng Wang, Quan Chen and Li-Lin Du. A Cloning-Free Method for CRISPR/Cas9-Mediated Genome Editing in Fission Yeast
- 17 Si Young Lee, Stevepen Hung, Oluwadamilola Bankole and Henry L. Levin. Dense Profiles of Transposon Integration Identify Novel Genes that Promote Heterochromatin in Fission Yeast
- 18 Makoto Ohira, David Hendrickson, R. Scott McIsaac and Nick Rhind. An Estradiol-Inducible Promoter Enables Fast, Graduated Control of Gene Expression
- 19 Xingya Xu, Ryuta Kanai, Norihiko Nakazawa, Li Wang, Chikashi Toyoshima and Mitsuhiro Yanagida. Cohesin Clip Model Disclosed by Atomic Structure Assignment of Numerous Genetic Suppressors
- 20 Yunpeng Shen, Damiaan E.H.F. Mevius, Yeon Jeon Noh, Jihyeon Kim, Masayo Morishita, and Eric di Luccio. Set7 is a Novel Histone Methyltransferase in *Schizosaccharomyces pombe*
- 21 Haijin Hea, Yang Lib, An-Yun Changc, Qianhua Donga, Feng Gaob, Zhongxuan Chia, Min Sub, Rob Martienssenc, Yu-hang Chenb and Fei Li. Coordinated Regulation of Heterochromatin Inheritance by Dpb4-Daf1 Complex
- 22 Jin-Kwang Kim, Jinqiang Liu, Xichan Hu, Hyun-Ik Jun and Feng Qiao. Structural Basis for Telomere Length Regulation by Hierarchical Assembly of Shelterin Bridge

- 23 Wenzhu Li, Wenpeng Cheng, Yuzhe Li, Chen Huang and Xiangwei He. Biochemical and Microscopical Evidence for Ribosome Heterogeneity
- 24 Keita Aoki and Hironori Niki. Release of Condensin from Mitotic Chromosomes Requires Ran-GTP Gradient in the Regenerated Nucleus
- 25 Ryuta Asada, Miki Umeda, Satoshi Senmatsu, Akira Adachi, Takuya Abe, Yasuhiro Tsutsui, Hiroshi Iwasaki, Kunihiro Ohta, Charles S. Hoffman and Kouji Hirota. Transcriptional Activation via “Catch-And-Release” Translocation of Transcription Factor Rst2 between Activation Sites Is Mediated by Local Higher-Order Genome Structure
- 26 Veneta Gerganova and Sophie G. Martin. Towards the *in vitro* Reconstitution of Pom1 Gradients
- 27 Brian Hercyk, Bin Wei, Karen Wang, Shivani Patel and Maitreyi Das. Cytokinetic Events are Spatiotemporally Organized by a Gradient of Active Cdc42
- 28 Eriko Oya, Mickael-Durand Dubief, Jun-ichi Nakayama and Karl Ekwall. Paf1C is required for Survival during Long-Term Quiescence
- 29 Ashyad Rayhan, Adam Faller, Jim Karagiannis. Using Genetic Buffering Relationships Identified in Fission Yeast to Elucidate the Molecular Pathology of Tuberous Sclerosis
- 30 Tadashi Ishiguro, Yuki Kobayashi, Kana Tanabe, Kenzo Yamatsugu, Motomu Kanai and Shigehiro Kawashima. Histone H2A-K119 Malonylation Inhibits Bub1-Dependent H2A Phosphorylation and Chromosomal Shugoshin Localization
- 31 Ana B. Iglesias-Romero, Ignacio Flor-Parra, Teresa Soto, Kathleen L. Gould, Jose Cansado and Rafael R. Daga. Implications of MAPK Pmk1 in the Spindle Assembly Checkpoint Regulation
- 32 Iain George, Darren Henry, Kate Chatfield-Reed, Joe Harrison and Gordon Chua. Deducing the mRNA Regulatory Role of Puf3, a Member of the Pumilio Gene Family in Fission Yeast
- 33 Lora Winters, Ivana Ban, Ana Milas, Marcel Prelogović, Nenad Pavin and Iva M. Tolić. Microtubule Pivoting and Minus End Directed Motors Drive the Formation of the Mitotic Spindle.
- 36 Masaki Okazaki, Yusuke Yamada, Tomoaki Yamauchi, Tomoki Kawakami and Masashi Yukawa. Assembly of Mitotic Bipolar Spindle in the Absence of Kinesin-5 Cut7
- 45 Mariola R. Chacón¹, Petrina Delivani¹ and Iva M. Tolić. Meiotic Nuclear Oscillations are Necessary to Avoid Excessive Chromosome Associations
- 51 Joseph Magliozzi and James B. Moseley. Regulation of Cell Cycle and Cell Polarity Signaling Pathways by Skb1
- 77 Caroline Esnault and Henry L. Levin. Transposable Element Integration Rewires Regulatory Networks to Protect Cells against Stress
- 84 Dan-Dan Xu and Li-Lin Du. Implementing the APEX Technology in Fission Yeast for Electron Microscopy and Proximity Proteomic Analyses

- 93 Felix Reyes, Danny A. Bitton, Sandra Codlin, María Rodríguez-Lopez, Jürg Bähler, Juan Jimenez and Victor A. Tallada. When Splicing Met The End.
- 101 Ahmed Abdelaziz, Darren Henry and Gordon Chua. Functional Characterization of the Pumilio Gene *puf4+* in *Schizosaccharomyces pombe*
- 102 Hokuto Ohtsuka, Masahiro Takinami, Takafumi Shimasaki, Takahide Hibi, Hiroshi Murakami and Hirofumi Aiba. Sulfur Restriction Extends Fission Yeast Chronological Lifespan through Ecl1 Family Genes by Downregulation of Ribosome
- 103 Nicole André, Daniela Eckert, Susanne Zock-Emmenthal, Jared L. Johnson, Lewis C. Cantley, José Ayté and Norbert F. Käufer. Prp4 Kinase – Part of a Safeguarding Process during Pre-mRNA Splicing
- 104 Hyoju Ban, Martina Weigt, Qingsong Gao, Haijin He, Guido Mastrobuoni, Stefan Kempa, Wei Chen and Fei Li. Rbm10 Promotes Heterochromatin Assembly by Interacting with Clr6 and Chromatin Remodeling Complexes
- 105 Ya Mei Hu and Amanda J. Bird. Using Fission Yeast as a Model System to Understand Metallation of Proteins
- 106 Ee Sin Chen and Thi Thuy Trang Nguyen. CENP-A-localizing Factors Interact with Topoisomerase II to Regulate Resistance against the Topoisomerase Inhibitory Agent Doxorubicin in Fission Yeast
- 107 Kim Hou Chia, Takato Matsuda, Fajar Sofyantoro, Takamitsu Amai, Tomoyuki Fukuda and Kaz Shiozaki. GATOR1 Promotes Fission Yeast Cell Growth by Attenuating TOR Complex 1 through the Rag-Family GTPase Gtr1
- 108 Soo-Yeon Cho, Soo-Jin Jung and Jung-Hye Roe. Multiple Functions of Aconitase-bL21 Fusion Protein (Aco2) in *Schizosaccharomyces pombe*
- 109 Adiel Cohen, Martin Kupiec and Ronit Weisman. TOR Complex 2 Control the Expression of the Sub-Telomeric Genes
- 110 Yan Ding, Fang Suo, Hai-Tao Wang, Yi Wei, Jun Li and Li-Lin Du. Genome-Wide Screens for Fission Yeast Mutants Sensitive to DNA-Alkylating Agents
- 111 Raylene Dunn, Rebecca Y.Y. Leong-Quong, Lianne Vachon and Gordon Chua. Roles of the Gur1 and Gur2 Transcription Factors in the GABA Catabolic Pathway of *Schizosaccharomyces pombe*
- 112 Mariana C. Gadaleta and Paul Russell. Understanding the Functional Requirements for the Conserved Kinase Activity of Pnk1
- 113 Silva Salas-Pino, Paola Gallardo, Ramón R. Barrales, Sigurd Braun S and Rafael R. Daga. The Fission Yeast Tpr Alm1 Is Required for Proper Proteasomal Degradation of Kinetochore Components
- 114 Attila Glatz, Mária Péter, Péter Gudmann, Imre Gombos, Zsolt Török, Ibolya Horváth, László Vígh and Gábor Balogh. Heat Challenge Accepted: “Fatness” Promotes Fitness in Fission Yeast
- 116 Takeshi Hayashi, Romanas Chaleckis, Tomáš Pluskal and Mitsuhiro Yanagida. Fission Yeast S-Adenosylmethionine Synthetase (Sam1) Is Required for Cell Growth and Quiescence in Coordination with TOR-Related Kinase

- 117 Richard A. Lewis, Juan-Juan Li, Nick E.E. Allenby, Jeff Errington, Jacqueline Hayles and Paul Nurse. A Visual Screen for Natural Products from Actinomycetes That Affect the Morphology of Fission Yeast
- 118 Jingbo Liu, Jia Yi and Xiangwei He. Histone Core Stability Affects Nucleosome-Mediated Epigenetic Inheritance Fidelity and Chromatin Organization in Centromere
- 119 Judit Hunyadkürti, Samuel Marguerat, Marc-Antoine Robert, Pierre-Étienne Jacques and Francois Bachand. Functional Characterization of Human Senataxin (SETX) Homologs in the Fission Yeast *S. pombe*
- 120 Anna Jordáková, Martina Oravcová and Martin Převorovský. Different Modes of DNA Binding Are Associated with Distinct Biological Functions of CSL Transcription Factors
- 121 Yuki Kanda, Ryosuke Satoh, Saki Matsumoto, Chisato Ikeda, Natsumi Inutsuka, Kanako Hagihara, Sho Tsujimoto, Ayako Kita and Reiko Sugiura. Skb5, an SH3 Adaptor Protein, Regulates PKC/ MAPK Signaling by Controlling the Intracellular Localization of MAPKKK
- 122 Farzad Asadi, Bidhan Chakraborty and Jim Karagiannis. Latrunculin A Induced Perturbation of the Actin Cytoskeleton Mediates Pap1p-Dependent Induction of the Caf5p Efflux Pump in *Schizosaccharomyces pombe*
- 123 Kei Kawakami, Yoshino Kubota and Kojiro Ishii. Histone Methyltransferase Complex CLRC Ubiquitinates and Degrades the Putative Histone Demethylase Epe1 to Facilitate Heterochromatin Assembly
- 124 Kouhei Nishino, Misaki Kushima, Tomohiro Kaino, Yasuhiro Matsuo and Makoto Kawamukai. Cell Lysis Induced in *Schizosaccharomyces pombe ura4* Mutants
- 125 Shigehiro A. Kawashima, Zhen Chen, Yuki Aoi, Yuki Kobayashi, Paul Nurse and Tarun M. Kapoor. Discovery of Potent, Reversible, and Specific Chemical Inhibitors of Eukaryotic Ribosome Biogenesis using Drug-hypersensitive Fission Yeast
- 126 Jihyeon Kim, Damiaan E.H.F Mevius, Yunpeng Shen, Yeon Jeon Noh, Eric di Luccio and Masayo Morishita. Characterization of Fission Yeast Mutants Defective in Epigenetic Histone Methylation in Growth, Stress Response, and Gametogenesis
- 128 Kenji Kitamura. Regulation of Oligopeptide and Amino Acid Utilization by Transcriptional Network
- 129 Amar J. S. Klar. Fission Yeast DNA Strands Asymmetry Based *mat1*-Switching Mechanism Explains Developmental Anomalies of Diverse Organisms
- 130 I-Ju Lee and David Pellman. Nuclear Envelope Defects on *S. japonicus* Lagging Chromosomes

POSTER SESSION 2 (Wednesday 7:30-10:00 PM)
(Abstracts 52-67, 127, 131-169)

Poster set up- Wednesday 12:00-7:30 PM
Poster take down- by Thursday, 3:00 PM

- 52 Isabel Alves-Rodrigues, Esther Pazo, Angel Guerra-Moreno, Elena Hidalgo and José Ayté. The G1-to-S Transcriptional Wave is Induced through a Biphasic Mechanism
- 53 Thomas Laboucarié, Dylane Dettleux, Céline Faux, Ricard A. Rodriguez-Mías, Yves Romeo, Mirta Franz-Wachtel, Karsten Krug, Boris Maček, Janni Petersen, Judit Villén and Dom Helmlinger. The TORC1 and TORC2 Signaling Pathways Converge to Regulate the SAGA Transcriptional Co-Activator in Response to Nutrient Availability
- 54 Xi-Ming Sun^{1,2}, Anthony Bowman³, Samuel Marguerat² and Vahid Shahrezaei. Global Regulation of Transcription by Cell Size
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