# Program: EMBO Workshop on Transcription in yeast (June 9-14, 2018)

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Program outline

Saturday 9th June
15.00 – 18.30  Check-in and registration (lobby)
18.30 – 20.00  Welcome cocktail (bar Dalí) followed by dinner (restaurant)
20.00 – 20.10  Opening by the organizers (Salón Mediterráneo)
20.10 – 21.10  Session 1 – opening lecture

Sunday 10th June
9.00 – 10.40  Session 2, chaired by Domenico Libri
11.10 – 12.50  Session 3, chaired by Michel Werner
13.00 – 15.00  Lunch
15.00 – 16.40  Session 4, chaired by Steven Hanes
17.10 – 18.40  Session 5, chaired by Françoise Stutz
19.00 – 20.30  Dinner
20.30 – 23.00  Poster session I (nrs 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46)

Monday 11th June
9.00 – 10.30  Session 6, chaired by Gilad Yaakov
11.00 – 12.40  Session 7, chaired by Tommaso Villa
13.00 – 15.00  Lunch
15.00 – 17.30  Poster session II (nrs 2,5,8,11,14,17,20,23,26,29,32,35,38,41,44,47)
17.30 – 19.10  Session 8, chaired by Hannah Mischo
19.30 – 21.00  Dinner

Tuesday 12th June
9.00 – 10.40  Session 9, chaired by Guilhem Janbon
11.10 – 12.50  Session 10, chaired by Jason Kuehner
13.00 – 14.00  Lunch
14.00 – 19.00  Excursion
19.00 – 20.30  Dinner
20.30 – 23.00  Poster session III (nrs 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45,48)

Wednesday 13th June
9.00 – 10.40  Session 11, chaired by Jennifer Gallagher
11.10 – 12.50  Session 12, chaired by Alastair Fleming
13.00 – 14.30  Lunch
15.00 – 16.40  Session 13, chaired by Eulalia de Nadal
17.10 – 18.40  Session 14, chaired by Struan Murray
20.00 -  Banquet (Salón Goya) followed by party by the pool

Thursday 14th June
10.00 – 11.00  Closing session-Final discussion
11.45 and 12.30  Departure
Program details

Saturday 9th June
14.00 – 18.30 Check-in and registration (hotel lobby)
18.30 – 20.00 Welcome cocktail (bar Dalí) and dinner (restaurant)

Session 1
20.00 – 20.10 Opening - Françoise Stutz & Domenico Libri
20.10 – 21.10 Opening lecture, Steve Henikoff, Keynote speaker (p. 11)
  High-resolution mapping of the chromatin landscape

Sunday 10th June

Session 2 - Chair: D. Libri
9.00-9.30 Patrick Cramer (p. 12)
  Mechanism of transcription initiation
9.30-9.50 Randall Morse (p. 13)
  Influence of the pre-initiation complex on Mediator recruitment and
dynamics in yeast
9.50-10.10 Steve Hahn (p. 14)
  Gene-specific role of the Mediator Tail Module
10.10-10.40 Julie Soutourina (p. 15)
  Functional interplay between Mediator complex, Rad2 DNA repair
  protein and RNA polymerase II

10.40-11.10 Coffee/Tea break

Session 3 - Chair: Michel Werner
11.10-11.40 Philipp Korber (p. 16)
  Genome-wide reconstitution of remodeler-driven nucleosome spacing in
  arrays
11.40-12.00 Kurt Schmoller (p. 17)
  Cell-size-dependent transcription coordinates histone homeostasis and
  cell size
12.00-12.20 Andrew Angel (p. 18)
  Mathematical Modelling of the Dynamics of Transcription
12.20-12.50 Frank Pugh (p. 19)
  Genomic mechanisms of gene regulation and chromatin organization

13.00-15.00 Lunch break
**Session 4** - Chair: Steven Hanes

15.00-15.30  Steve Buratowski (p. 20)
*Dynamics of RNA Polymerase II Transcription*

15.30-15.50  Drice Challal (p. 21)
*General Regulatory Factors limit pervasive transcription in Yeast*

15.50-16.10  Michal Chapal (p. 22)
*Adaptive evolution of noise-buffering through transcription-factor duplication*

16.10-16.40  Nir Friedman (p. 23)
*Transient Depletion and Recovery of the Essential RSC Chromatin Remodeling Complex highlights its Role in Chromatin Regulation and Homeostasis*

16.40-17.10  Coffee/Tea break

**Session 5** - Chair: Françoise Stutz

17.10-17.40  David Shore (p. 24)
*How chromatin architecture and general transcriptional co-factors control initiation at protein-coding genes in yeast*

17.40-18.00  Dom Helmlinger (p. 25)
*Principles of assembly of the SAGA transcriptional co-activator complex*

18.00-18.20  Alan Cheung (p. 26)
*The cryo EM structure of the Tra1 subunit from coactivators SAGA and NuA4*

18.20-18.50  Giorgio Dieci (p. 27)
*Ubiquitous transcriptional regulators in the control of yeast ribosome biogenesis*

19.00-20.30  Dinner break

20.30-23.00  **Poster session I**
Monday June 11th

Session 6 - Chair: Gilad Yaakov
9.00-9.30  Lars Steinmetz (p. 28)
   Exposing layers of transcriptome complexity with single cell genomics and synthetic yeast
9.30-9.50  Samuel Marguerat (p. 29)
   Fission yeast transcriptional heterogeneity surveyed by single cell RNA sequencing
9.50-10.10 Gregor Neuert (p. 30)
   Single Cell Distribution Shapes Govern the Discovery of Predictive Models for Gene Transcription Regulation
10.10-10.30 Tineke Lenstra (p. 31)
   A single molecule understanding of the connection between activator binding dynamics and transcriptional bursting

10.30-11.00 Coffee/Tea break

Session 7 – Chair: Tommaso Villa
11.00-11.30 Katja Strässer (p. 32)
   Mud2 functions in transcription and nuclear mRNP packaging
11.30-11.50 Catherine Dargemont (p. 33)
   Chromatin and mRNP formation
11.50-12.10 Susana Rodriguez-Navarro (p. 34)
   Mog1 coordinates H2Bub1 and H3K4met3 with mRNA export independently of its ability to bind Ran
12.10-12.40 Heike Krebber (p. 35)
   Identification of a guard protein mediated quality control mechanism for mRNA 5’-capping

13.00-15.00 Lunch break

15.00-17.30 Poster session II

17.00-17.30 Coffee/Tea served
Session 8 – Chair: Hannah Mischo

17.30-18.00  Benoit Palancade (p. 36)
    *Biogenesis and processing of functionally related mRNAs: from genome stability to multiprotein complex homeostasis*

18.00-18.20  François Robert (p. 37)
    *RNA Polymerase II CTD Tyrosine 1 is Required for Termination by the Nrd1-Nab3-Sen1 Pathway*

18.20-18.40  Odil Porrua (p. 38)
    *A complex network of mutually-exclusive interactions underlies non-coding transcription termination and RNA degradation in budding yeast*

18.40-19.10  Lidia Vasilieva (p. 39)
    *Elongation/termination factor exchange mediated by PP1 phosphatase orchestrates transcription termination*

19.30-21.00  Dinner
Tuesday June 12th

Session 9 – Chair: Alastair Fleming
9.00-9.30  Jean Beggs (p. 40)  
*Crosstalk between transcription, splicing and chromatin*
9.30-9.50  Vicent Pelechano (p. 41)  
*Genome-wide characterization of transcript isoforms and gene expression dynamic*
9.50-10.10 Sebastian Chavez (p. 42)  
*The contribution of prefoldin to gene expression involves both chromatin dynamics and pre-mRNA processing transactions*
10.10-10.40 David Tollervey (p. 43)  
*Linking transcription to RNA processing*

10.40-11.10 Coffee/Tea break

Session 10 – Chair: Jason Kuehner
11.10-11.40 Brenda Andrews (p. 44)  
*A Global Assessment of Molecular Fluctuations Associated with Cell Cycle Progression in Yeast*
11.40-12.00 Olivier Gadal (p. 45)  
*Genetic analysis of RNA polymerase I unveils roles of Rpa12 subunit during transcription initiation*
12.00-12.20 Francesc Posas (p. 46)  
*Control of gene expression in response to stress by the Hog1 SAPK.*
12.20-12.50 Stirling Churchman (p. 47)  
*Heat shock factor 1 monitors the integrity of ribosome assembly*

12.50-14.00 Lunch break

14.00-19.00 Excursion

19.00-20.30 Dinner

20.30-23.00 Poster session III
Wednesday June 13th

Session 11 - Chair: Jen Gallagher
9.00-9.30 Martine Collart (p. 48)
NOT1 serves as a scaffold for assembly of mRNPs with multiple functions
9.30-9.50 Serge Pelet (p. 49)
Promoter architecture regulates the dynamic of gene expression in the mating pathway
9.50-10.10 Zarmik Moqtaderi (p. 50)
Cellular factors influence the striking structural differences of neighboring 3’ mRNA isoforms in vivo
10.10-10.40 Alain Jacquier (p. 51)
How does the SKI complex degrade ribosome-free RNA sequences?

10.40-11.10 Coffee/Tea break

Session 12 - Chair: Guilhem Janbon
11.10-11.40 Jane Mellor (p. 52)
Deconstructing Transcription during the Yeast Metabolic Cycle
11.40-12.00 Sebastian Marquardt (p. 53)
Rules and Roles of IncRNA Transcription
12.00-12.20 Folkert van Werven (p. 54)
Transcription factor occupancy represses noncoding transcription nearby regulatory elements
12.20-12.50 Marc Bühler (p. 55)
RNAi-directed epigenetic gene silencing in fission yeast

13.00-15.00 Lunch break

Session 13 – Chair: Eulalia de Nadal
15.00-15.30 Andres Aguilera (p. 56)
The interface between transcription and replication
15.30-15.50 Marta Radman-Livaja (p. 57)
Gene dosage imbalance: An interplay between replication and transcription
15.50-16.20 Julien Soudet (p. 58)
Pervasive transcription-dependent chromatin remodeling influences the replication initiation program
16.20-16.40 Vincent Géli (p. 59)
MRX, Set1, and Gcn5 modulate chromatin structure at stalled replication forks to promote resection of nascent DNA and cohesin loading
16.40-17.10  Coffee/Tea break

**Session 14** – Chair: Struan Murray
17.10-17.40  Toshi Tsukiyama (p. 60)
*Mechanisms and functions of chromatin condensation in quiescent yeast cells*
17.40-18.00  Mo Motamedi (p. 61)
*Quiescent-Induced Transcriptional Silencing*
18.00-18.20  Pascal Bernard (p. 62)
*The role of Condensin in the control of gene expression*
18.20-18.40  Lucas Carey (p. 63)
*Promoter activity buffering reduces the fitness cost of misregulation*

20.00-  Banquet and party by the pool

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**Thursday June 14th**

**Closing session**
10.00-11.00  Françoise Stutz & Domenico Libri
Discussion on future meeting organization

11.45: Bus 1
12.30: Bus 2