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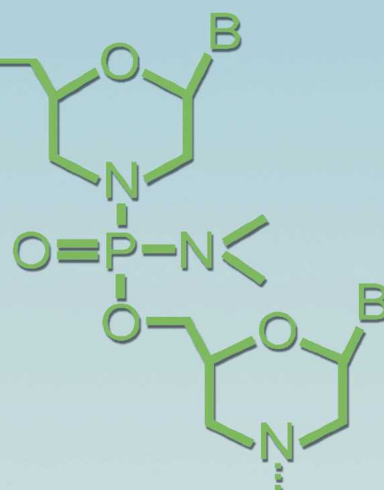
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# Cold Spring Harbor Protocols



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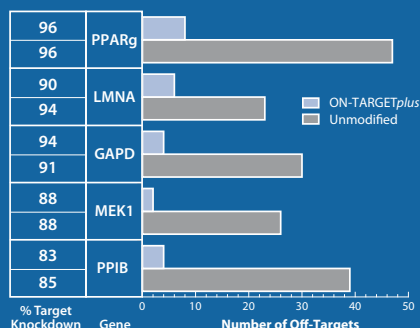
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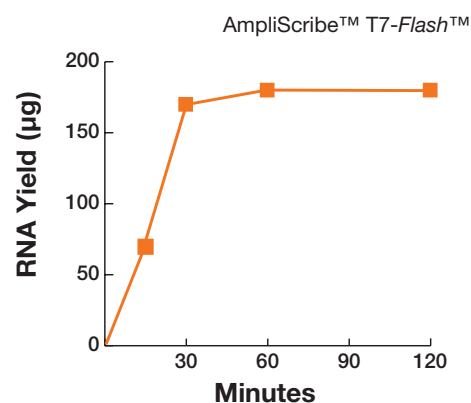
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# From a to $\alpha$

## Yeast as a Model for Cellular Differentiation

By Hiten D. Madhani, *University of California, San Francisco*

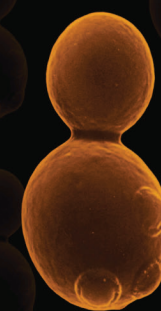
*From a to  $\alpha$*  is a short supplemental textbook that uses control of yeast mating type as a model for many aspects of cell determination in general. Topics covered include gene silencing; genetic recombination; differentiation; combinatorial gene regulation; mRNA transport to establish asymmetric cell division; signal transduction; evolution of genetic networks; and various aspects of cell biology, including action of cytoskeleton and bud site selection. The book has a foreword by Mark Ptashne, author of *A Genetic Switch*.

2007, 115 pp., illus., index

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Paperback \$39

From a to  $\alpha$   
Yeast as a Model  
for Cellular Differentiation



Hiten Madhani

ISBN 0-87969-737-7

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Foreword, *M. Ptashne*

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5. Detecting and Responding to a Signal

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9. Evolution of Cell Type Determination

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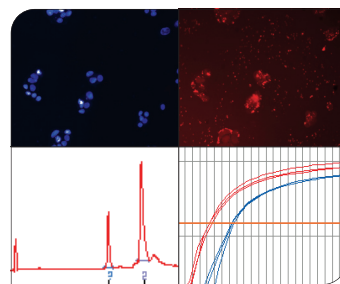
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## Center for RNA Molecular Biology

### Senior/Junior Faculty Positions Case Western Reserve University School of Medicine

Applications are invited for full time tenured and tenure-track positions from talented investigators working on any aspect of RNA structure, function or metabolism.

The Center for RNA Molecular Biology is a freestanding basic science academic unit within the Division of General Medical Sciences. Currently the Center has eight primary appointees and an additional fourteen affiliated members whose research encompasses a broad spectrum of RNA-related areas; for a complete listing of members and their research interests, please visit <http://www.rnaresearch.org/>. We anticipate adding at least two new primary members in the next three years. While all qualified applicants will be fully considered, we are especially interested in investigators whose research complements but does not overlap with that of current members. Research areas that are now underrepresented include informatics, localization, translation and its regulation, structural analysis, and turnover.

We offer competitive start up funding, attractive laboratory space (a floor of a newly constructed building was occupied in May of 2003) as well as an interactive and collaborative research environment.

For consideration, please send (by e-mail or courier) a complete CV, the names of at least three references and a two page research description to:

**Timothy W. Nilsen**  
**Professor & Director**  
**Center for RNA Molecular Biology**  
**Case Western Reserve University**  
**School of Medicine**  
**10900 Euclid Avenue**  
**Cleveland, OH 44106-4973**  
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*In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and World Class Diversity. Case is a recipient of a National Science Foundation ADVANCE Institutional Transformation Grant to increase the participation of women in Science and Engineering.*



# **Gordon Research Conferences**

GRC is holding over 180 meetings in 2007. A few upcoming meetings that may be of particular interest to *RNA* readers are listed below.

## **NUCLEIC ACIDS**

June 3-8, 2007

Salve Regina University, Newport, RI

Chairs: Joseph (Jody) D. Puglisi & Cynthia J. Burrows

<http://www.grc.org/programs.aspx?year=2007&program=nucacids>

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## **NUCLEOSIDES, NUCLEOTIDES & OLIGONUCLEOTIDES**

July 1-6, 2007

Salve Regina University, Newport, RI

Chair: Jyoti Chattopadhyaya

<http://www.grc.org/programs.aspx?year=2007&program=nucleo>

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## **ENZYMES, COENZYMES & METABOLIC PATHWAYS**

July 8-13, 2007

University of New England, Biddeford, ME

Chairs: Squire J. Booker & Nigel G. Richards

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Conference Ctr. at Harvard Medical School, Boston, MA, USA

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### **SPEAKERS INCLUDE:**

- Craig Peterson (UMass Medical School)
- Krishnarao Appasani (GeneExpression Systems, Inc.)
- Bradley Bernstein (Massachusetts General Hospital)
- Rene Cortese (Epigenomics AG, Germany)
- Mukesh Verma (National Cancer Institute)
- Laurie Jackson-Grusby (Children's Hospital Boston)
- Jeffrey Besterman (MethylGene Inc. Canada)
- Alex Meissner (Whitehead Institute-MIT)
- Tomas Ekström (Karolinska Institutet, Sweden)
- Christopher Adams (Invitrogen Corp.)
- Marc Bühler (Harvard Medical School)
- Shuji Ogino (Brigham and Women's Hospital)
- Stephen Rapko (Genzyme Biosurgery)
- Kevin Morris (The Scripps Research Institute)
- David Fisher (Dana-Farber Cancer Institute)
- Manel Esteller (Spanish National Cancer Centre, Spain)
- Amit Meller (Boston University)

and many more from large Pharma, Biotech Industry & Exhibition.

**Poster Abstract Deadline: June 10, 2007**

### Second International

## MicroRNAs Europe 2007

*'MicroRNAs: Biology to Development and Disease'*

**November 1-2, 2007**

Peterhouse, Univ. of Cambridge, Cambridge, United Kingdom

*A Unique Theme Meeting in the MicroRNomics Field!*

### **SPEAKERS INCLUDE:**

**Inaugural Speaker: Aaron Klug, 1982 Nobel Laureate** (MRC Lab, UK)

**Keynote Speaker: David Baulcombe** (University of Cambridge, UK)

**Industry Keynote: Keith McCullagh** (Santaris Pharma, Denmark)

- Minoo Rassoulzadegan (University of Nice, France)
- Ramin Shiekhattar (Centre Regulació Genòmica, Barcelona, Spain)
- Krishnarao Appasani (GeneExpression Systems, Inc. USA)
- Neil Clarke (GlaxoSmithKline, UK) **A. Enright** (Sanger Inst. UK)
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and many more from large Pharma, Biotech Industry & Exhibition.

**Poster Abstract Deadline: October 1, 2007**

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## Postdoctoral positions at Cold Spring Harbor Laboratory applying Next-Generation Sequencing to Cognitive Disorders

Postdoctoral researchers are sought for a large-scale effort to use genomic technologies to understand the biological basis of cognitive disorders. Many efforts over the past several years have identified candidate genes and genomic regions associated with schizophrenia, autism, and other disorders. Cold Spring Harbor Laboratory is launching a multi-investigator, multidisciplinary effort to use next-generation sequencing technologies to drive forward from candidate genes and candidate regions of the genome to causative mutations that underlie cognitive diseases. This effort will be led by James Watson, Jonathan Sebat, W. Richard McCombie, and Greg Hannon. Fellows will be co-supervised in this interactive program. The team is now seeking to fill a number of postdoctoral positions with researchers having experience in either molecular biology and biochemistry or informatics and bioinformatics. A familiarity with cognitive disease is desired but not essential.

**Cold Spring Harbor Laboratory** is a world-renowned research and educational institution with programs in cancer, neuroscience, plant biology, genomics and bioinformatics. The Laboratory is recognized internationally for its excellence in research and educational activities.

Please send a cover letter outlining your research interests and suitability for the position, CV and names of three references to:

Email: [mccombie@cshl.edu](mailto:mccombie@cshl.edu)

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## **Multiple Faculty Positions Quantitative & Computational Biology**



The newly established Center for Quantitative & Computational Biology (CQCB) at Columbus Children's Research Institute, an affiliate of Columbus Children's Hospital and the Department of Pediatrics of The Ohio State University College of Medicine, is seeking to fill multiple open rank tenure track positions. We are looking for candidates who can extend the quantitative and computational technologies of the Center in creative ways; who are interested in both basic quantitative research and collaborative clinical research; and who seek a highly collaborative, research-focused environment. Appointments at the Assistant, Associate, and Full Professor level are anticipated. Candidates are expected to have a Ph.D. or equivalent degree in a statistical, mathematical or computational field, or an M.D. or Ph.D. in a biomedical field with a quantitative or computational research focus. Generous start-up packages are available.

Established in August, 2006, the mission of the CQCB is to assemble and support a broad range of mathematical, statistical, and computational experts for the purposes of conducting cutting-edge quantitative research, with the ultimate goal of informing and improving clinical care in pediatrics. Building upon existing expertise in statistical modeling in genetics, parallel computing, computational algorithms, and databases, the CQCB will be undergoing a rapid expansion over the next few years, increasing in both scope and size. Noteworthy features of the CQCB include an in-house "R&D" laboratory, providing core support for production level software development, a simulation facility, database support, and a molecular laboratory for testing novel modeling methods. The CQCB currently supports an Apex cluster with 64 computing nodes, each powered by two 2.4 or 2.6 GHz AMD Dual-Core Opteron processors, 16GB memory, and an 80GB hard disk; 4TB network storage systems with built-in RAID5 for redundancy; and gigabit network switch. Expansion of this basic system is scheduled at regular intervals as the CQCB grows. We are scheduled to move into customized space in a new research building early in 2008.

Columbus Children's Hospital is the fifth largest free standing children's hospital in the United States. The Research Institute is housed in a modern 300,000 square foot, dedicated research facility with outstanding shared facilities and core laboratories. Federal grant awards in 2006 exceeded 31 million dollars. The Research Institute is equipped with state-of-the-art transgenic, embryonic stem cell, DNA sequencing, morphology, microarray, and viral vector core facilities. In addition to appointments in the College of Medicine, joint faculty appointments in graduate departments at The Ohio State University are also available. For more information, please visit our website at [www.ccri.net](http://www.ccri.net). Send correspondence, including curriculum vitae and contact information for three references to [vielandv@ccri.net](mailto:vielandv@ccri.net) or to: Veronica Vieland, CQCB Director and Search Committee Chair, Columbus Children's Research Institute, 700 Children's Drive Room W4021, Columbus, OH 43205; FAX: (614) 355-2728.

*Children's Hospital, Inc. and The Ohio State University are Affirmative Action/Equal Opportunity Employers. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.*

## **RIBOSOMES: FORM & FUNCTION**

International conferences on all aspects of gene expression that involve the ribosome have been held at irregular intervals for more than 30 years. The next conference in this series, "Ribosomes: Form and Function", will occur at the Sea Crest Resort in North Falmouth, MA (Cape Cod), June 3-8, 2007.

The topics covered will include; ribosome genetics and assembly, ribosome structure, all aspects of ribosome function, up to and including the initial phases of protein secretion. The emphasis will be correlating structure with function. A distinguished group of scientists have already agreed to attend. Their presentations will fill about half the available slots for speakers. The remaining speaker slots will be offered to those who submit abstracts that are considered noteworthy by the Program Committee. Poster sessions will also be held.

The organizers are:

Robert Zimmermann (zimmermann@biochem.umass.edu) and  
Peter Moore (peter.moore@yale.edu).

Further details about the meeting, including information about how to register for it, are available on line at:

<http://www.ribosomes2007.org/>.