

# 12<sup>th</sup> International Congress of Cell Biology

Exploring Cellular Structure and Function

[www.iccb2016.org](http://www.iccb2016.org)

Late Posters Submission Open till June 26, 2016  
Do not miss your chance to be part of ICCB 2016

July 21–25, 2016, Prague, Czech Republic  
Prague Congress Centre

## KEYNOTE LECTURES

Betzig Eric	Imaging life at high spatiotemporal resolution
Chalfie Martin	Determining neuronal cell fate in <i>C. elegans</i>
Cossart Pascale	The EMBO Keynote Lecture: What bacteria – in particular <i>Listeria</i> – have learnt to cell biologists
Gall Joseph	Giant chromosomes and deep sequences: what the amphibian oocyte tells us about transcription
Goldman Robert	Intermediate filament networks are systems integrators in mammalian cells
zur Hausen Harald	Bovine milk and meat as risk factors for human diseases
Simons Kai	The dynamic organisation of cell membranes
Walter Peter	From protein folding to cognition: the serendipitous path of discovery

## SYMPOSIA LECTURES

Almouzni Geneviève	Shaping chromatin in the nucleus, key architects
Bártek Jiří	Genome integrity maintenance: mechanisms and relevance for cancer and aging
Baumeister Wolfgang	Structural biology in a cellular context
Di Fiore Pier Paolo	The Numb:p53 axis connects asymmetric cell division and tumor suppression in mammary stem cells
Gasser Susan	Heterochromatin and its crucial role in genome maintenance
Grosveld Frank	Transcription and the dynamics of the 3D structure of the genome
Heald Rebecca	Mechanisms of mitosis and size control in <i>Xenopus</i>
Hetzer Martin	How the nuclear membrane controls genome function
Hirokawa Nobutaka	Kinesin superfamily molecular motors, KIFs: from regulation of neuronal functions and development to diseases
Hořejší Václav	Immunoreceptor signaling
Humphries Martin	Regulation of cell adhesion through the cell cycle
Jacobs Howy	Maintenance of mitochondrial fidelity
Leptin Maria	Subcellular and supracellular mechanisms of cell morphogenesis
LeRoith Derek	The role of GH/IGF-I axis in the regulation of glucose metabolism and its disturbances
Lin Haifan	Uniting the genome: multifaceted roles of the Piwi-piRNA pathway in the germline
Martienssen Rob	Epigenetic reprogramming and small RNA
Mayor Satyajit	Active control of cell membrane composition
McKnight Steven	A solid state conceptualization of information transfer from gene to message to protein
Misteli Tom	Deep imaging to see the genome
Nigg Erich	Impact of centrosome aberrations on microcephaly and cancer
Le Novere Nicolas	Computational modelling of intracellular signalling - from the molecule to the cell
Oren Moshe	The fifty shades of p53
Peters Jan-Michael	How cohesin controls sister chromatid cohesion and chromatin structure
Vandenabeele Peter	Role of RIPKs in life and death decisions

Wang Xiaodong	Biochemical pathways of cell death
Watt Fiona	Studying epidermal stem cells at single cell resolution
Yoshimori Tamotsu	Autophagy: its molecular basis and anti-disease function
Zerial Marino	Molecular mechanisms of endosome biogenesis and fusion

## SPECIAL LECTURES

Bertuzzi Stefano	The curious incident of the translational dog that didn't bark. Where is cell biology going? Where will a PhD in science take you?
Mattaj Iain	Promoting excellence by choice; EMBL and international life science collaboration

## MINISYMPOSIA TOPICS AND ORGANIZERS

Cell biology of host-pathogen interactions	(Peter Šebo + Pascale Cossart)
Mechanisms of intracellular trafficking	(Daniela Corda + Margaret Robinson)
Epigenetic control of cell fate	(Guoliang Xu + Petra Hájková)
Microtubule organization in health and disease	(Mónica Bettencourt-Dias + Pavel Dráber)
Lamins and chromatin during development and ageing	(Roland Foisner + Tomáš Vomastek)
Emerging technologies for cell biology	(Alasdair Steven + Stanislav Kmoch)
DNA replication, repair and recombination	(Cristina Cardoso + Eva Bártoová)
Pluripotent stem cells	(Alexey Tomilin + Aleš Hampl)
Chromosome segregation and aneuploidy	(William Earnshaw + Iain Cheeseman)
Nuclear periphery	(Yosef Gruenbaum + Ohad Medalia)
Shaping the cell	(Buzz Baum + Tomáš Mazel)
Host cells and vector borne pathogens	(Libor Grubhoffer + Marshall Bloom)
Tissue microenvironment under physiological condition and disease	(Hernandes Carvalho + Karel Smetana Jr.)
Neurons meeting glia in the brain plasticity, disease and therapy	(Marko Brankatschk + Miloš Pěkný)
Dynamics of the gene expression machinery	(David Tollervey + Thoru Pederson)
Centrioles, centrosomes and cilia: function and dysfunction	(Jordan Raff + Renata Basto)
Chromatin plasticity and nuclear architecture	(Evi Soutoglou + Eran Meshorer)
Cell adhesion dynamics in tissue organization	(Carlen Niessen + Corinne Albigès-Rizo)
Cell biology and nanomedicine	(Gareth Griffiths + Arwyn Jones)
Plant development and adaptation	(Jiří Friml + Ondřej Novák)
Non-coding RNAs in health and disease	(Claus Azzalin + Štěpánka Vaňáčková)
Structural biology	(Ueli Aebi + Christian Spahn)
Cancer cell biology	(Elias Campo + Marek Trněný)
Cell signalling/Systems and computational biology	(Marino Zerial + Philippe Bastiaens)
Cell biology of metabolic diseases	(Derek LeRoith + Martin Haluzík)

ONLINE ABSTRACT SUBMISSION & REGISTRATION OPENED

→ <[info@iccb2016.org](mailto:info@iccb2016.org)>

EXHIBITION & SPONSORSHIP REQUESTS

→ <[sponsorship@iccb2016.org](mailto:sponsorship@iccb2016.org)>

Early registration deadline      Extended May 31, 2016

Late registration deadline      July 6, 2016

Late poster abstract  
submission deadline      June 26, 2016

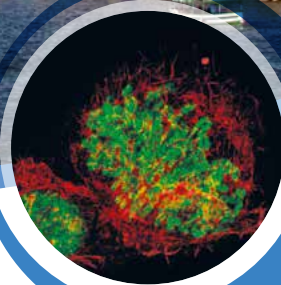
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More information  
at [www.iccb2016.org](http://www.iccb2016.org)

July 21–25, 2016, Prague, Czech Republic  
Prague Congress Centre



## 12<sup>th</sup> International Congress of Cell Biology

### Call for Abstracts

**Abstract Submission and Online Registration Open**

**Submit Your Abstract and Register Online NOW!**

**Deadline for Oral Abstracts Submission is April 24, 2016**

**Deadline for Poster Abstracts Submission is May 15, 2016**



**CZECH SOCIETY FOR CELL BIOLOGY, z. s.**  
Member of International Federation for Cell Biology



## KEYNOTE LECTURES

### Thursday, July 21

- 18:00-18:40 **Betzig Eric, USA**, Imaging life at high spatiotemporal resolution
- 18:40-19:20 **Goldman Robert, USA**, Intermediate filament networks are systems integrators in mammalian cells

### Friday, July 22

- 17:40-18:20 **Cossart Pascale, France**, What bacteria – in particular *Listeria* – have learnt to cell biologists – the EMBO Keynote Lecture
- 18:20-19:00 **zur Hausen Harald, Germany**, Bovine milk and meat as risk factors for human diseases

### Saturday, July 23

- 17:40-18:20 **Chalfie Martin, USA**, Determining neuronal cell fate in *C. elegans*
- 18:20-19:00 **Walter Peter, USA**, From protein folding to cognition: the serendipitous path of discovery

### Sunday, July 24

- 17:40-18:20 **Gall Joseph, USA**, Giant chromosomes and deep sequences: what the amphibian oocyte tells us about transcription
- 18:20-19:00 **Simons Kai, Germany**, The dynamic organisation of cell membranes

## SYMPOSIUM AND SPECIAL LECTURES

### Thursday, July 21

- 14:00-14:30 **Bártek Jiří, Denmark**, Genome integrity maintenance: mechanisms and relevance for cancer and aging
- 14:30-15:00 **McKnight Steven, USA**, A solid state conceptualization of information transfer from gene to message to protein
- 15:00-15:30 **Le Novère Nicolas, UK**, Computational modelling of intracellular signalling – from the molecule to the cell
- 16:00-16:30 **Hirokawa Nobutaka, Japan**, Kinesin superfamily molecular motors, KIFs: from regulation of neuronal functions and development to diseases
- 16:30-17:00 **Baumeister Wolfgang, Germany**, Structural biology in a cellular context
- 17:00-17:30 **Misteli Tom, USA**, Deep imaging to see the genome

### Friday, July 22

- 08:30-09:00 **Grosveld Frank, The Netherlands**, Transcription and the dynamics of the 3D structure of the genome
- 09:00-09:30 **Martienssen Rob, USA**, Epigenetic reprogramming and small RNA
- 09:30-10:00 **Lin Haifan, USA**, Uniting the genome: multifaceted roles of the Piwi-piRNA pathway in the germline
- 10:30-11:00 **Wang Xiaodong, China**, Biochemical pathways of cell death

- 11:00-11:30 **Yoshimori Tamotsu, Japan**, Autophagy: its molecular basis and anti-disease function

- 11:30-12:00 **Vandenabeele Peter, Belgium**, Role of RIPKs in life and death decisions

### Saturday, July 23

- 08:30-09:00 **Watt Fiona, UK**, Studying epidermal stem cells at single cell resolution
- 09:00-09:30 **Humphries Martin, UK**, Regulation of cell adhesion through the cell cycle
- 09:30-10:00 **Leptin Maria, Germany**, Subcellular and supracellular mechanisms of cell morphogenesis
- 10:30-11:00 **Almouzni Geneviève, France**, Shaping chromatin in the nucleus, key architects
- 11:00-11:30 **Hetzer Martin, USA**, How the nuclear membrane controls genome function
- 11:30-12:00 **Gasser Susan, Switzerland**, Heterochromatin and its crucial role in genome maintenance

### Sunday, July 24

- 08:30-09:00 **Bertuzzi Stefano, USA**, The curious incident of the translational dog that didn't bark. Where is cell biology going? Where will a PhD in science take you? – Special lecture
- 09:00-09:30 **Oren Moshe, Israel**, The fifty shades of p53
- 09:30-10:00 **LeRoith Derek, USA**, The role of GH/IGF-I axis in the regulation of glucose metabolism and its disturbances
- 10:30-11:00 **Jacobs Howy, Finland**, Maintenance of mitochondrial fidelity
- 11:00-11:30 **Zerial Marino, Germany**, Molecular mechanisms of endosome biogenesis and fusion
- 11:30-12:00 **Mayor Satyajit, India**, Active control of cell membrane composition

### Monday, July 25

- 08:30-09:00 **Mattaj Iain, Germany**, Promoting excellence by choice; EMBL and international life science collaboration – Special lecture
- 09:00-09:30 **Horejší Václav, Czech Republic**, Immunoreceptor signaling
- 09:30-10:00 **Di Fiore Pier Paolo, Italy**, The Numb:p53 axis connects asymmetric cell division and tumor suppression in mammary stem cells
- 10:30-11:00 **Peters Jan-Michael, Austria**, How cohesin controls sister chromatid cohesion and chromatin structure
- 11:00-11:30 **Heald Rebecca, USA**, Mechanisms of mitosis and size control in *Xenopus*
- 11:30-12:00 **Nigg Erich, Switzerland**, Impact of centrosome aberrations on microcephaly and cancer

## MINISYMPOSIA TOPICS AND ORGANIZERS

### Friday, July 22

- 15:00-17:10 **Peter Šebo + Pascale Cossart**, Cell biology of host–pathogen interactions
- 15:00-17:10 **Daniela Corda + Margaret Robinson**, Mechanisms of intracellular trafficking
- 15:00-17:10 **Guoliang Xu + Petra Hájková**, Epigenetic control of cell fate
- 15:00-17:10 **Mónica Bettencourt-Dias + Pavel Dráber**, Microtubule organization in health and disease
- 15:00-17:10 **Roland Foissner + Tomáš Vomastek**, Lamins and chromatin during development and ageing
- 15:00-17:10 **Alasdair Steven + Stanislav Kmoch**, Emerging technologies for cell biology
- 15:00-17:10 **William Earnshaw + Iain Cheeseman**, Chromosome segregation and aneuploidy
- 15:00-17:10 **Elías Campo + Marek Trněný**, Cancer cell biology

### Saturday, July 23

- 15:00-17:10 **Alexey Tomilin + Aleš Hampl**, Pluripotent stem cells
- 15:00-17:10 **Cristina Cardoso + Eva Bártová**, DNA replication, repair and recombination
- 15:00-17:10 **Yosef Gruenbaum + Ohad Medalia**, Nuclear periphery
- 15:00-17:10 **Buzz Baum + Tomáš Mazel**, Shaping the cell
- 15:00-17:10 **Libor Grubhoffer + Marshall Bloom**, Host cells and vector borne pathogens

- 15:00-17:10 **Hernandes Carvalho + Karel Smetana Jr.**, Tissue microenvironment under physiological condition and disease
- 15:00-17:10 **Marko Brankatschk + Miloš Pěkný**, Neurons meeting glia in the brain plasticity, disease and therapy
- 15:00-17:10 **Christian Spahn + Ueli Aebi**, Structural biology
- 15:00-17:10 **Marino Zerial + Philippe Bastiaens**, Cell signalling / Systems and computational biology

### Sunday, July 24

- 15:00-17:10 **David Tollervey + Thoru Pederson**, Dynamics of the gene expression machinery
- 15:00-17:10 **Jordan Raff + Renata Basto**, Centrioles, centrosomes and cilia: function and dysfunction
- 15:00-17:10 **Evi Soutoglou + Eran Meshorer**, Chromatin plasticity and nuclear architecture
- 15:00-17:10 **Carlen Niessen + Corinne Albiges-Rizo**, Cell adhesion dynamics in tissue organization
- 15:00-17:10 **Gareth Griffiths + Arwyn Jones**, Cell biology and nanomedicine
- 15:00-17:10 **Jiří Friml + Ondřej Novák**, Plant development and adaptation
- 15:00-17:10 **Claus Azzalin + Štěpánka Vaňáčová**, Non-coding RNAs in health and disease
- 15:00-17:10 **Derek LeRoith + Martin Haluzík**, Cell biology of metabolic diseases

## CALL FOR ABSTRACTS

Dear Colleagues,

do not miss your chance to submit an abstract for the upcoming 12<sup>th</sup> International Congress on Cell Biology, that will be held in Prague, the capital of the Czech Republic, July 21 – 25, 2016.

Abstracts are invited for presentations corresponding to minisymposia topics. All contributions should be submitted through the congress website [www.iccb2016.org](http://www.iccb2016.org).

**To be considered for oral presentation please ensure you submit your abstract by April 24, 2016. Any abstracts submitted after this date and before May 15, 2016 will only be considered for poster presentation.**

Check the congress website for latest news and refer to the Abstract Submission Guidelines.

We are looking forward to your contributions!

## REGISTRATION

	EARLY until April 30, 2016	LATE until July 6, 2016	ON-SITE from July 7, 2016
<b>UNDERGRADUATE STUDENT</b>	165 EUR	220 EUR	275 EUR
<b>GRADUATE STUDENT IFCB MEMBER *</b>	220 EUR	350 EUR	480 EUR
<b>GRADUATE STUDENT NON MEMBER</b>	270 EUR	400 EUR	530 EUR
<b>PROFESSIONAL IFCB MEMBER *</b>	420 EUR	500 EUR	580 EUR
<b>PROFESSIONAL NON MEMBER</b>	470 EUR	550 EUR	630 EUR
<b>COURSES/WORKSHOPS</b>	70 EUR	90 EUR	110 EUR

\* The list of IFCB members can be found at [www.iccb2016.org/registration-fees.htm](http://www.iccb2016.org/registration-fees.htm)

More information at  
[www.iccb2016.org](http://www.iccb2016.org)

## CONTACTS

### Congress Organiser:

**Czech Society for Cell Biology, z.s.**

(member of the International Federation for Cell Biology)

Albertov 4, 128 00 Prague, Czech Republic

[www.cscb.cz](http://www.cscb.cz)

### Congress Chairman:

**Prof. Ivan Raška**

Institute of Cellular Biology and Pathology

First Faculty of Medicine, Charles University in Prague

### Congress Secretariat:

**C-IN**

Prague Congress Centre

5. května 65, 140 21 Prague, Czech Republic

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< [info@iccb2016.org](mailto:info@iccb2016.org) >, < [abstracts@iccb2016.org](mailto:abstracts@iccb2016.org) >

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Submit Your Abstract  
and Register

**NOW!**

Oral Abstracts  
Submission Deadline  
**April 24, 2016**

Poster Abstracts  
Submission Deadline  
**May 15, 2016**

Sponsors' Enrolment  
Deadline  
**March 31, 2016**

Early Registration  
Deadline  
**April 30, 2016**

Exhibition Space  
Booking Deadline  
**April 30, 2016**

## EXHIBITION & SPONSORSHIP

All booking requests are allocated on a first come, first served basis. In order to reserve your sponsorship / exhibition booth, please check [www.iccb2016.org](http://www.iccb2016.org) and proceed with the reservation via the order form.

In case you have a different idea of how to promote your activities, kindly contact:

**Ms. Iva Pelánová** (Sponsorship & Exhibition manager)

< [sponsorship@iccb2016.org](mailto:sponsorship@iccb2016.org) >

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