

Science in our hands

...sharing experience and knowledge...

1st IMG PhD conference

Prague

17th October 08

# Program:

## Opening session:

09:00-09:15

Václav Hořejší

## Session I: Nucleic Acids Research Tools

09:20-09:40

1. Matyáš Flemr

**Detecting small RNAs in situ with LNA probes: "no pain no gain"**

09:40-10:00

2. Pavel Vopálenský

**BAC recombineering and transgenesis: a useful tool for studying gene expression**

10:00-10:20

3. Jakub Rídl

**Highthroughput sequencing in genomic and metagenomic research**

## 10:20-10:45 Coffee break

## Session II: Microscopy

10:45-11:05

4. Ondřej Štěpánek

**Don't trust your fluorescent protein! A lesson from yeast "tissues"**

11:05-11:25

5. Martina Huranová

**"Nucleus is not a honey".....playin` around with the confocal microscope...**

11:25-11:45

6. Sukriye Yildirim

**Nuclear myosin I binds to phosphatidylinositol-4,5-bisphosphate in the cell nucleus**

11:45-12:05

7. Pavel Otahal

**Analysis of T-cell membrane microdomains by Total Internal Reflection Fluorescence Microscopy (TIRFM)**

12:05-13:15 Lunch

Session III: Gene Expression

13:15-13:35

8. Vladimír Čermák

**Regulation of mesenchymal phenotype by transcription factor EGR1**

13:35-13:55

9. Bohumil Fafílek

**ChIP on chips**

13:55-14:15

10. Michal Kahle

**Low throughput quantification of RNA and proteins**

14:15-14:45 Coffee break

Session IV: Model Organisms

14:45-15:05

11. Rena Brauer

**Chemically induced mouse model of intestinal inflammation: Dextran sodium sulphate-induced colitis**

15:05-15:25

12. Igor Grekov

**Parasites and Geneticists**

Keynote lecture:

15:30-16:30

Jiří Bartek

**DNA damage response: Mechanisms, live cell imaging, and involvement in human cancer**

Concluding remarks:

16:40-17:00

Best presentations evaluation

17:00-.....

PhD party

Photo exhibition