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STRATEGYAV21

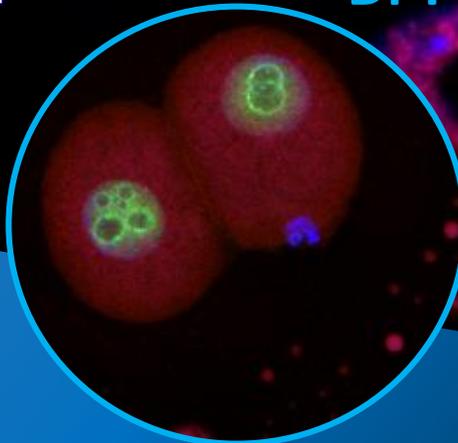
Top research in the public interest

The Fulka Lab invites you to a guest lecture

# Genome organization and function around the nucleolus during early embryo development

Discover how the 3D genome  
reorganizes after  
fertilization

**Dr Pritha Bhattacharjee**  
University of Zurich



**April 2, 2026**  
**10:00 AM**

**Tyrkysová Lecture Hall, IEM CAS**

## LECTURE HIGHLIGHTS

Can the nucleolus act as a central hub  
organizing chromatin in early embryos?

Do nucleolus-associated domains (NADs) shape  
gene regulation during the first cell divisions?

Introducing single-cell Nucleolar-DamID,  
a method revealing how the genome  
is organized around the nucleolus in early  
embryos.

## ABOUT THE SPEAKER

Molecular biologist working at the interface  
of NGS method development and 3D genome  
organization during early mammalian  
development.

Developed Single Cell Nucleolar-DamID, a new  
method for mapping chromatin-nucleolus  
interactions.

Previously studied nuclear lamina structure  
in diseased conditions and gene regulation by the  
yeast heterochromatin protein Sir3.

Her current work reveals the nucleolus as a key  
component of genome architecture in early  
embryos.



**MORE INFORMATION**

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