



Chromatin plasticity in stem cells and cancer:
tales of histone variants



Eran Meshorer
Department of Genetics, Institute of Life Sciences
and the Edmond and Jeanette Meyer Laboratory for
Stem Cell Biology and Regeneration (BLSC)
The Hebrew University of Jerusalem

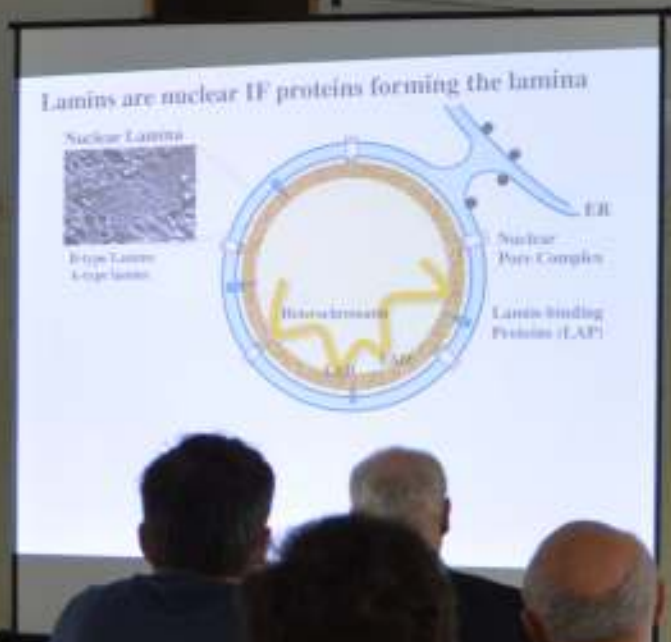


Chromatin

Carl Weismann (1844-1905)
April 21, 1844



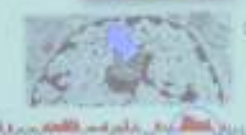
Czech-Norwegian
Research Programme







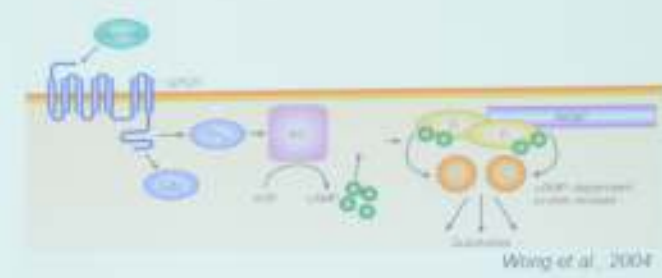
Chromatin in the 3D nucleus-space: hierarchical organization

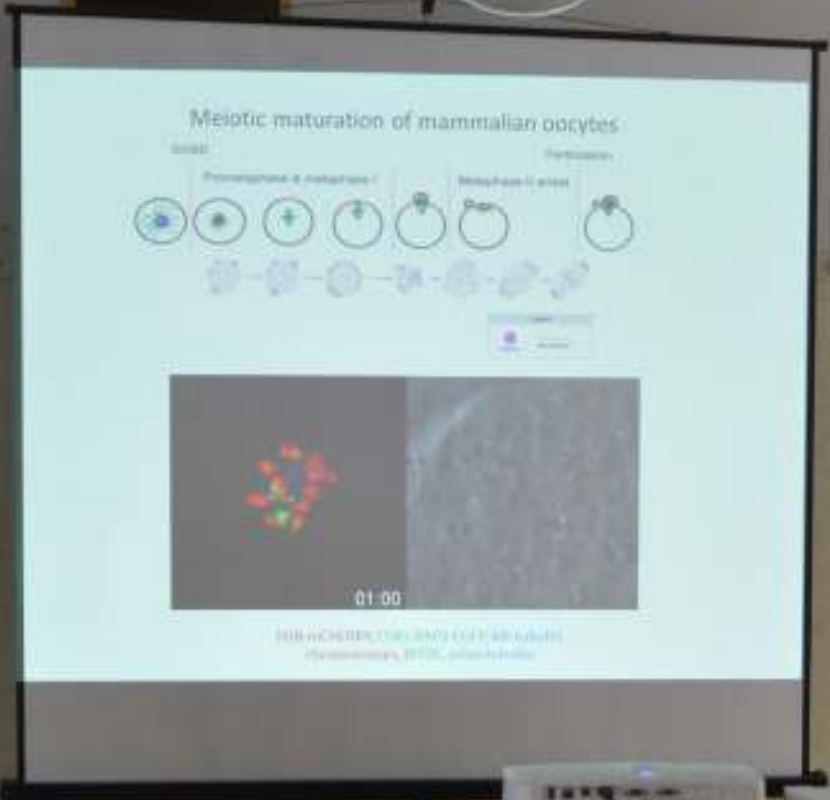


- Multiple functions of the nuclear lamina:
- Production of the genome (transcription)
 - Aging (cell)
 - Regulation of transcription, chromatin



Anchoring of signaling complexes by A-kinase anchoring proteins (AKAPs)





A male presenter in a dark blue sweater stands in the center of the room, facing the audience. He is positioned in front of a doorway.



An audience of approximately ten people is seated at several rectangular tables covered with white tablecloths. The tables are arranged in a semi-circle facing the presenter. Each table has a green glass bottle and some papers on it. The room has a classic interior with a chandelier hanging from the ceiling and large windows with light-colored curtains on the right side.



Thank you for your attention

Institute of Biophysics,
Czech Academy of Science

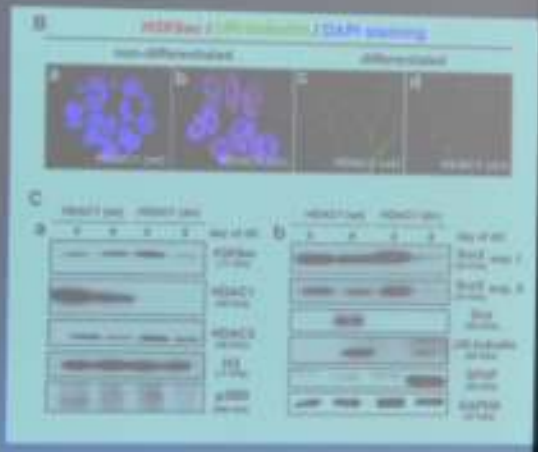
Erwin Jablonka
And Gersonik
Alena Baldušová
Svenja Kutzeln
Marino Tobi



Czech-Norwegian networking - Český Brno 2017



Cellular differentiation



The banner features the logos for "MSMT" (Ministry of Education, Youth and Sports) and "The Research Council of Norway" at the top. Below the logos is a photograph of a woman in a dark jacket, likely the presenter, standing in a laboratory setting. At the bottom of the banner, the text "Czech-Norwegian Research Project" is visible.



Acknowledgements

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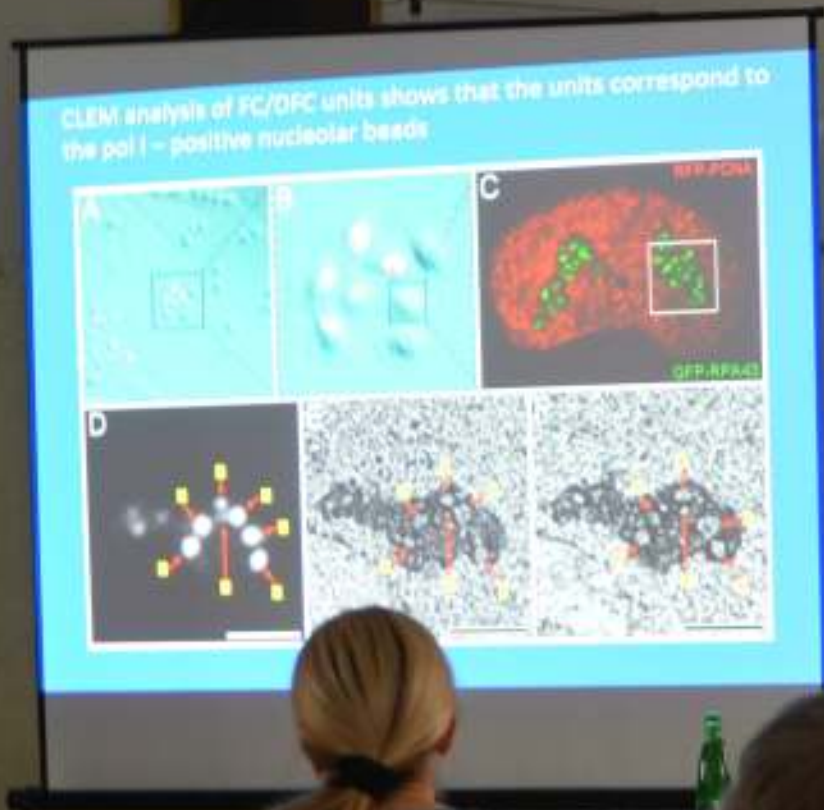
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Speaker presenting the slide.

Nr
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