



PROGRAM
28th Annual Meeting
Dansk Selskab for Cancerforskning
Thursday 30th April 2015

- 08.00-09:25 Registration, posters on the boards and coffee
- 09:25-09:30 Welcome and practical information by the Chairman, Dr Ann Sjøgaard Knoop
- SESSION I: Cancer Epigenetics**
Chairs:
Kristian Helin, BRIC, University of Copenhagen
Kirsten Grønbæk, Copenhagen University Hospital (Rigshospitalet)
- 09.30-10.15 **The Organisation of Danish Medical Societies Keynote Lecture: "CANCER EPIGENETICS"**
Jean-Pierre Issa, MD,
American Cancer Society Professor of Medicine
Director, Fels Institute for Cancer Research and Molecular Biology, Temple University, Philadelphia
- 10.15-11.00 **POSTERS**
- 11.00-11.15 **Replication stress as a source of epigenetic aberrations in cancer**
*Nazaret Reverón-Gómez*¹, *Zuzana Jasencakova*¹, *Simone Sidoli*², *Andrey Tvardovskiy*², *Constance Alabert*¹, *Kyosuke Nakamura*¹, *Ole N. Jensen*² and *Anja Groth*¹
¹BRIC and Centre for Epigenetics, University of Copenhagen, Ole Maaløes Vej 5, Copenhagen
²Department of Biochemistry & Molecular Biology and Centre for Epigenetics, University of Southern Denmark, Campusvej 55, 5230 Odense
- 11.15-11.30 **Chromatin compaction controls DNA replication to promote genome stability.**
¹*Muhammad Shoaib*, ¹*David Walter*, ¹*Stine Jørgensen*, ²*Peter Gillespie*, ²*Julian Blow*,
³*Fazila Asmar*, ³*Kirsten Grønbæk*, ¹*Claus Storgaard Sørensen*
¹Biotech Research and Innovation Center, University of Copenhagen, Denmark
²Cancer Research UK Chromosome Replication Group, Wellcome Trust Centre for Gene Regulation & Expression, College of Life Sciences, University of Dundee, Scotland
³Department of Hematology, Copenhagen University Hospital, Denmark
- 11.30-11.45 **Role of the lysine-specific demethylase PHF2 in prostate cancer.**
Dorota Kuczek, *Diego Iglesias-Gato*, *Pernilla Wikstrom*, *Matthias Mann*, *Amilcar Flores-Morales*
Molecular Disease Biology section, Faculty of Health Science, University of Copenhagen, Copenhagen, Denmark.
- 11.45-12.00 **Epigenetic Silencing of miR-203 Contributes to IL2R β Overexpression and Malignant Transformation in Cutaneous T-cell Lymphoma**
Ralfkiaer U^{1,2}; *Jansson M*³; *Kopp KL*²; *Willerslev-Olsen A*²; *Asmar F*¹; *Krejsgaard TF*²; *Brown P*¹; *Gniadecki R*⁴; *Woetman A*²; *Lund AH*³; *Odum N*²; *Grønbæk K*¹
¹Hæmatologisk Afdeling, Rigshospitalet; ²International Sundhed, Immunologi og Molekylær Biologi, Panum; ³Center for Epigenetik, BRIC; ⁴Dermatologisk Afdeling, Bispebjerg Hospital



12.00-12.15

The long noncoding RNA MIR31HG regulates p16^{INK4A} expression to modulate senescence

*Marta Montes*¹, Morten M Nielsen², Giulia Maglieri¹, Anders Jacobsen³, Jonas Højfeldt^{1,4}, Shuchi Agrawal-Singh^{1,4}, Klaus Hansen^{1,4}, Kristian Helin^{1,4}, Harmen J G van de Werken⁵, Jakob S Pedersen^{5,6} and Anders H Lund^{1*}

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12.15-13.15

Lunch

SESSION II:

Translational Cancer Genomics

Chairs:

Morten Høyer, professor, Dept. of Oncology, Aarhus University Hospital

Janine Erler, BRIC, University of Copenhagen

13.15-14.00

The Danish Cancer Society Keynote Lecture: "PERSONALIZED MEDICINE"

Fabrice André, MD, PhD, Professor

Gustave Roussy Institute, FRANCE

14.00-14.15

Identification of co-occurring genetic aberrations with known driver mutation directs targeted therapy in cholangiocarcinoma

Chirag Nepal and Jesper B Andersen

Biotech Research and Innovation Centre (BRIC), University of Copenhagen Denmark.

14.15-14.30

Cationic amphiphilic antihistamines sensitize non-small cell lung cancer cells to chemotherapy and improve the survival of cancer patients

Anne Marie Ellegaard, Atul Anand, Christian Dehlendorff, Siri A. Tvingsholm, Luise Cederkvist, Nikolaj H.T. Petersen*, Jesper Nylandsted, Søren Friis, and Marja Jäättelä

Kræftens Bekæmpelses Forskningscenter, Strandboulevarden 49, 2100 København Ø

* Present address: Orphazyme ApS, København N

14.30-14.50

Coffee

14.50-15.05

Hypoxia and PHD2 regulate cancer-associated fibroblasts and remodelling of the tumour microenvironment

Chris D. Madsen^{1,2}, *Jesper T Pedersen*¹, Lukram Babloo Singh¹, Freja Venning¹, Thomas R Cox¹, Erik Sahai^{2,3}, Janine T Erler^{1,3}

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15.05-15.20

Post-translational regulation of the protease oncogene matriptase

^{1,2}*Stine Friis*, ^{2,3}Katiuchia Uzzun Sales, ^{2,4}Sine Godiksen, ^{2,5}Diane E. Peters, ⁶Chen-Yong Lin, and ²Thomas H. Bugge

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⁵Program of Pharmacology and Experimental Therapeutics, Tufts University School of Medicine, Boston, MA 02111, USA

⁶Lombardi Comprehensive Cancer Center, Georgetown University, Washington DC 20007, USA

- 15.20-15.35 **Hypomethylation and up-regulation of PD-1 in T cells by azacytidine in MDS/AML patients: A rationale for combined targeting of PD-1 and DNA methylation**
Ørskov AD^{1,}, Treppendahl MT^{1,*}, Skovbo A^{2,3}, Holm MS⁴, Friis LS^{1,5}, Hokland M², and Grønbæk K¹*
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⁵Hæmatologisk Afdeling, Odense Universitetshospital, Sdr. Boulevard 29, 5000 Odense C
- 15.35-15.50 **The development of therapeutic inhibitors of the KDM5 histone demethylases**
Hauge C, Kleine-Kohlbrecher D, Heinemann B, Hudlebusch HR, Krag C, Klein D, Larsen DV, Nguyen HT, Nielsen JM, Boesen T, Labelle M, Gerlach LO and Staller P
EpiTherapeutics ApS, Ole Maaloes vej 3, 2200 København N, Denmark
- 15.50-16.30 **POSTERS**
- 16.30-17.15 **Gårdejer Ingemann Petersen og hustrus Foundation, Honorary prize and talk**
- 17.15 -17.45 **Refreshments**
- 17.45-18.00 **General assembly**
- 18.00 **Dinner and prizes for best talk and poster**