

Mitosis and Cancer Symposium

February 26-27, 2009

Amsterdam, The Netherlands

MEETING PROGRAMME

Day 1

09:00 – 09:50	Registration
09:50 – 10:00	Welcome and Introductions <i>Rob Wolthuis</i>
10:00 – 11:00 KEY NOTE	Conly Rieder (Wadsworth Center, US) <i>The double edge sword of mitosis: a route for producing aneuploidy but also a window for cancer therapy</i>
11:00 – 11:30	Break
SESSION	G2 Checkpoints and Cancer Therapy Chair: Arne Lindqvist (University Medical Center Utrecht, The Netherlands)
11:30 – 12:00	Holger Bastians (IMT, Marburg, Germany) <i>The tumor suppressor genes required for chromosomal stability</i>
12:00 – 12:45	Helen Piwnica-Worms (Howard Hughes Medical Institute, US) <i>The Chk1/Cdc25A regulatory pathway</i>
12:45 – 12:55	Abcam <i>Presentation</i>
12:55 – 13:45	Lunch
13:45 – 14:15	Sven Rottenberg (Netherlands Cancer Institute, The Netherlands) <i>Drug responses and therapy resistance in conditional mouse models of hereditary breast cancer</i>
14:15 – 14:45	Rene Medema (University Medical Center Utrecht, The Netherlands) <i>Exploiting chromosome segregation errors as a strategy to kill tumor cells</i>
14:45 – 15:15	Vjeskoslav Dulic (CNRS, Montpellier, France) <i>Deficient ATM activation in cancer cells with wild-type p53 compromises DNA damage-induced p21Waf1/Cip1 accumulation in G2 phase leading to impaired cell cycle exit</i>
15:15 – 15:45	Break
SESSION	The Spindle Checkpoint, Aneuploidy and Cancer Chair: Stephen Taylor (University of Manchester, UK)
15:45 – 16:15	Susanne Lens (University Medical Center Utrecht, The Netherlands) <i>Chromosome bi-orientation spatially separates Aurora B kinase from its kinetochore substrates</i>
16:15 – 16:45	Eduardo Torres (MIT, US) <i>Aneuploidy disrupts cellular homeostasis in yeast</i>
16:45 – 17:15	Beth Weaver (University of Wisconsin, US) <i>High rates of aneuploidy cause cell death and tumor suppression</i>
17:15 – 17:45	Geert Kops (University Medical Center Utrecht, The Netherlands) <i>Functional BubR1 defects in an inherited aneuploidy and cancer predisposition syndrome</i>
17:45 – 18:05	Dina Dikovskaya (University of Dundee, UK) <i>Importin-beta binds to and regulates the mitotic function of Apc</i> EACR Bursary
18:05	Close of Sessions
18:05 – 20:00	Poster Session and Wine Reception

Day 2

09:15 – 09:30	Welcome <i>Stephen Taylor</i>
SESSION	Targeting Mitotic Pathways in Cancer Therapy Chair: Helen Piwnica-Worms (Howard Hughes Medical Institute, St. Louis, US)
09:30 – 10:00	Stephen Taylor (University of Manchester, UK) <i>How do anti-mitotic drugs kill cancer cells?</i>
10:00 – 10:30	Nick Keen (AstraZeneca, US) <i>Aurora Kinase inhibitors as cancer therapies</i>
10:30 – 11:00	Kenneth W Wood (Cytokinetics, US) <i>Discovery of mitotic kinesin inhibitors for the treatment of cancer</i>
11:00 – 11:30	Break
11:30 – 12:00	Charles Swanton (London Research Institute, UK) <i>Functional genomic analysis of taxane response pathways</i>
12:00 – 12:30	Michael White (UT Southwestern Medical Center, US) <i>Functional genomics of chemo-responsiveness reveals therapeutic targets In the cancer spindle</i>
12:30 – 13:00	Randy King (Harvard Medical School, US) <i>Identification of a small molecule inhibitor of the anaphase-promoting complex</i>
13:00 – 14:00	Lunch
SESSION	Pathways Connecting Mitosis and Apoptosis Chair: Rob Wolthuis (The Netherlands Cancer Institute, The Netherlands)
14:00 – 14:30	Paul Clarke (University of Dundee, UK) <i>Coupling mitosis and apoptosis</i>
14:30 – 15:00	Timothy Chambers (University of Arkansas for Medical Sciences, US) <i>A functional link between mitotic arrest and apoptosis: CDK1-mediated phosphorylation and inactivation of Bcl-xL/Bcl-2</i>
15:00 – 15:20	Hanne Varmark (University of Massachusetts Medical School, US) <i>Progression through mitosis following DNA damage triggers cell death and cell cycle arrest</i>
15:20 – 15:40	Sally Wheatley (University of Sussex, Brighton, UK) <i>Live or Let Die: Regulation of Survivin by Cdk1</i>
15:40 – 16:10	Break
16:10 – 16:40	Katsumi Kitagawa (St. Jude Children's Research Hospital, US) <i>Bub3 Activates p73 to Induce Caspase-Independent Mitotic Death (CIMD)</i>
16:40 – 17:00	James Borowiec (New York University School of Medicine, US) <i>RPA phosphorylation facilitates mitotic exit in response to mitotic DNA damage</i>
17:00 – 17:20	Willeke Rensen (IBPM Institute of Molecular Biology and Pathology, Rome, Italy) <i>RanBP1 modulates the response of transformed cells to taxol</i>
17:20 – 17:50	Rob Wolthuis (The Netherlands Cancer Institute, The Netherlands) <i>Keeping cancer cells in or out of mitosis</i>
17:50 – 18:00	Closing Remarks

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