



**DANSTEM –**

**REPORT ON PRE-GRADUATE TEACHING 2015**

**PLANS FOR PRE-GRADUATE TEACHING 2016**

*DanStem provides scientists with the best possible environment to perform cutting-edge basic stem cell research. The center also plays an active role in training undergraduates, PhD students and postdoctoral students.*

**Report on Pre-graduate teaching 2015**

**Lectures and courses**

DanStem scientists were involved in teaching in the following courses:

- Palle Serup held a lecture about pancreas development in the "Kursus i Udviklingsbiologi" at the Science Faculty in January 2015.
- Kristian Helin gave a lecture "Epigenetic Regulation in Cancer and Identifying New Targets for Cancer Therapy" in the course "Experimental Pathophysiology" for KU- MSc students in Molecular Biomedicine in Feb 2015
- Mette C. Jørgensen taught in the "Kursus i medicinsk celle- og vævsbiologi for medicinstuderende og odontologistuderende" (36 lektioner) in spring 2015.
- Mette C. Jørgensen lectured on "Stamceller og diabetes" on the KU SUND Course: "Medicinsk celle- og vævsbiologi" on October 28, 2015
- Mette C. Jørgensen gave a lecture entitled "Stem Cell Therapy" at the KU SUND Course: "Biopharmaceuticals: Pharmacology of Biomacromolecules" on December 17<sup>th</sup>, 2015.
- Karen Schachter arranged a specialkursus "Basics of stem cell pluripotency and differentiation" and offered it at DTU Institute for Systemsbiology. A Biotechnology student from DTU took the course from September 17, 2015- December 4, 2015.
- Anne Grapin-Botton taught 2h in course NBIK14012U Biological Dynamics (BioDyn) for a mix of Physics and Biology Master students

**Student projects**

DanStem scientists supervised the following student projects in 2015:

- Kristian Helin is supervising the MSc project "Investigation of the functional role of oncoprotein FOXL2 in granulosa cell cancer" of Stine Emilie Weis-Banke
- Elke Ober supervised the kursus project "Assessing EpCam expression in zebrafish liver morphogenesis and regeneration" of Christian Bülow (DTU Biotechnology)
- P. Serup supervised a MSc project of Jonas van C. Kuylenstierna (KU Science)
- Kristian Helin is supervising the MSc project "Characterization of SetD7 in glioblastoma" of Julia Brinkmeier.

THE DANISH STEM CELL CENTER

BLEGDAMSVEJ 3B

DK-2200 COPENHAGEN N

DENMARK

TEL +45 35327300

DIR +45 29619561

danstem.ku.dk

- Kristian Helin is supervising the MSc project “Investigation of Tet2-mediated gene regulation in hematopoiesis” of Sandra Kessler (KU Molecular Biomedicine).
- Anne Grapin-Botton supervised the MSc project “Characterization of a Sox17-CreER mouse line and use to investigate the role of the BMP pathway in endoderm dorso-ventral patterning.” of Carla Goncalves.
- Anne Grapin-Botton is supervising the MSc project “Contribution of single-cell derived clones to pancreas expansion and differentiation.” of Laura M. Coll.
- Henrik Semb supervises an MSc project “The segregation between alpha and beta cells from endocrine progenitors in pancreas development.” of Mai Linh Dang.

### **Pedagogical and didactic training for PhD students, postdocs and young faculty and involvement in dissemination activities**

DanStem offered a workshop together with the SUND departments BMI and ICMM on September 3, 2015. The purpose of the workshop was to give an introduction to teaching and provide you with basic knowledge and tools for student interaction, motivation, and structuring of lessons.

In addition to the workshop DanStem encouraged all young scientists, who did not have the opportunity to teach on undergraduate level in 2015 to participate in the “Stem Cell Day” outreach event for 160 high school students at Christianshavns Gymnasium. 16 PhD students and postdocs took the opportunity to build up their capacity in educating young students.

### **Plans for Pre-graduate teaching 2016**

#### **Lectures and courses**

Junior and Senior scientists at DanStem will continue to participate in lectures and courses to teach pre-graduate students coming from different study backgrounds. DanStem’s overall goal is to continue to promote stem cell biology and to train young, outstanding scientists. We are therefore continuously open to hosting and training students at all levels (started up three new student project in the first 2 month of 2016). Bachelor and Master Students are offered an opportunity to conduct their projects at DanStem while benefiting from our expertise and advanced research facilities and the close scientific interaction at the Center.

#### **Pedagogical and didactic training**

DanStem offers senior postdocs as well as Assistant and Associate professors to participate in a teaching curriculum to make them eligible for teaching positions on a national and international level. In addition, we will invite PhD students and Postdocs again for a “Get ready to teach” and encouraged all young scientists to educate school students at the “2<sup>nd</sup> Danish Stem Cell Day” outreach event for 110 high school students at Nørre Gymnasium on May, 3<sup>rd</sup> 2016 and at Carolineskole, Copenhagen in November 2016.