European Commission | Horizon 2020 European Union funding for Research & Innovation | Research Executive Agency

Three dimensional breast cancer models for X – ray imaging research

H2020 – TWINN – 2015
GRANT AGREEMENT 692097

2nd Training Summer School

Methods
for breast tumour modelling and breast imaging

12 - 14 July 2017
Varna, Bulgaria

Venue: Swiss-Belhotel Dimyat Varna

MAXIMA Partners

Technical University of Varna	(TUV)	Bulgaria
Katholieke University of Leuven	(KU LEUVEN)	Belgium
University of Naples – Federico II	(UNINA)	Italy

PRELIMINARY AGENDA

Wednesday, 12.07.2017

Time	Activity
08:30 - 09:00	**Registrations**
09:00 - 09:15	Opening of the 2nd MAXIMA Training school • **Welcome addresses** Dr. Kristina Bliznakova - Technical University of Varna, Bulgaria
09:15 - 10:00	Session 1: Modelling of breast cancers and tissue classification • **Anatomy of the Breast and Breast Abnormalities** Dr. Daniel Bulyashki - Medical University Hospital of Varna, Bulgaria Prof. Radoslav Radev - Medical University Hospital of Varna, Bulgaria
10:00 - 11:00	Session 1: Modelling of breast cancers and tissue classification • **Modelling of the Breast and Breast Abnormalities** Dr. Kristina Bliznakova - Technical University of Varna, Bulgaria
11:00 - 11:30	***Coffee break***
11:30 - 13:00	Session 1: Modelling of breast cancers and tissue classification • **In-Silico Breast Anatomical Models for Virtual Imaging Clinical Trials** Dr. Christian Graff - Food and Drug Administration, USA
13:00 - 14:00	***Lunch break***
14:00 - 15:30	Session 1: Modelling of breast cancers and tissue classification • **Tissue Homeostasis, Tumour Growth and Cancer Stem Cells** Prof. Krastan Blagoev - Johns Hopkins University, USA
15:30 - 16:00	***Coffee break***
16:00 - 17:15	Session 1: Modelling of breast cancers and tissue classification • **Worked out examples of small scale virtual clinical trials** Prof. Hilde Bosmans - Katholieke University of Leuven, Belgium
17:15 - 17:30	• **Discussion, Sum Up and Conclusions**

Thursday, 13.07.2017

Time	Activity
09:00 - 11:00	Session 1: Modelling of breast cancers and tissue classification • **Finite Element-Based Breast Compression Modelling** Dr. Christian Graff - Food and Drug Administration, USA
11:00 - 11:30	***Coffee break***
11:30 - 13:00	Session 1: Modelling of breast cancers and tissue classification • **Breast tissue modelling for x-ray imaging applications** Dr. Ann-Katherine Carton - GE Healthcare Life Sciences
13:00 - 14:00	***Lunch break***
14:00 - 15:30	Session 1: Modelling of breast cancers and tissue classification • **Breast tissue and lesion modelling using Tomosynthesis clinical image features** Dr. Premkumar Elangovan - Royal Surrey County Hospital, UK
15:30 - 16:00	***Coffee break***
16:00 - 17:15	Session 2: Modelling of imaging techniques • **Modelling in Imaging: Methods and Applications** Dr. Ioannis Sechopoulos - Radboud University Nijmegen Medical Centre, Netherlands
17:15 - 17:30	• **Discussion, Sum Up and Conclusions**

Friday, 14.07.2017

Time	Activity
09:00 - 11:00	Session 2: Modelling of imaging techniques • **Cone-beam CT dedicated to the breast** Prof. Paolo Russo - University of Naples - Federico II, Italy
11:00 - 11:30	***Coffee break***
11:30 - 13:00	Session 2: Modelling of imaging techniques • **Characterising imaging systems for the purpose of modelling** Prof. Nick Marshall - Katholieke University of Leuven, Belgium
13:00 - 14:00	***Lunch break***
14:00 - 15:30	Session 2: Modelling of imaging techniques • **Modelling of the detector in the imaging chain** Dr. Alistair Mackenzie - Royal Surrey County Hospital, UK
15:30 - 16:00	***Coffee break***
16:00 - 17:00	Session 2: Modelling of imaging techniques • **Design and development of image reconstruction tools** Prof. Ivan Buliev - Technical University of Varna, Bulgaria
17:00 - 17:30	• **Discussion, Sum Up and Conclusions** • **Closing of the 2nd MAXIMA Training school**