



European
Commission

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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

FINAL AGENDA

Wednesday, 12.07.2017

Time	Activity
09:00 - 09:15	Registrations
09:15 - 09:30	Opening of the 2 nd MAXIMA Training school <ul style="list-style-type: none"> • Welcome addresses Dr. Kristina Bliznakova - Technical University of Varna, Bulgaria
09:30 - 10:15	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • 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
10:15 - 11:00	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • Modelling of the Breast and Breast Abnormalities Dr. Kristina Bliznakova - Technical University of Varna, Bulgaria
11:00 - 11:30	<i>Coffee break</i>
11:30 - 13:00	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • In-Silico Breast Anatomical Models for Virtual Imaging Clinical Trials Dr. Christian Graff - Food and Drug Administration, USA
13:00 - 14:00	<i>Lunch break</i>
14:00 - 15:30	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • Tissue Homeostasis, Tumour Growth and Cancer Stem Cells Prof. Krastan Blagoev - Johns Hopkins University, USA
15:30 - 16:00	<i>Coffee break</i>
16:00 - 17:00	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • Worked out examples of small scale virtual clinical trials Prof. Hilde Bosmans - Katholieke University of Leuven, Belgium
17:00 - 17:30	Session 1: Modelling of breast cancers and tissue classification <ul style="list-style-type: none"> • Open Source Platform for Virtual Clinical Trials of Breast Imaging Dr. Predrag Bakic – University of Pennsylvania, USA
17:30 - 17:45	• 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	<i>Coffee break</i>
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	<i>Lunch break</i>
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	<i>Coffee break</i>
16:00 - 17:15	Session 2: Modelling of imaging techniques • Uncertainties in Modelling 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	<i>Coffee break</i>
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	<i>Lunch break</i>
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	<i>Coffee break</i>
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