

# PROGRAMME OVERVIEW

# ESTRO 33

4 - 8 April 2014  
Vienna, Austria

Sponsored by **MERCK**

**ESTRO**  
European Society for  
RADIOTHERAPY  
& ONCOLOGY

## FRIDAY, 4 APRIL 2014

| SCHUBERT 1-2-3   | STOLZ 0   | SCHUBERT 4-5-6  | STOLZ 1-2  | LEHAR 4   | LOUNGE 1-2-3-4   |
|--|---|---|--|---|--|
| <b>INTERDISCIPLINARY PRE-MEETING COURSE</b>  | <b>RADIOBIOLOGY PRE-MEETING COURSE</b>                                  | <b>CLINICAL PRE-MEETING COURSE</b>  | <b>PHYSICS PRE-MEETING COURSE</b>  | <b>RTT PRE-MEETING COURSE</b>                                     | <b>CONTOURING WORKSHOP</b>   |
| 08:45 - 17:15<br>Intracranial stereotactic radiosurgery  | 08:45 - 17:00<br>Current advancements in immunotherapy and radiotherapy | 08:30 - 17:00<br>Optimal use of radiotherapy and chemotherapy in organ preservation | 08:30 - 17:00<br>Current advancements in treatment planning and optimisation | 08:50 - 17:30<br>Image guided adaptive radiation therapy for RTTs | 08:00 - 10:00 > Lymphoma Joint ESTRO - ILROG<br>10:30 - 12:30 > Organs at risk<br>13:30 - 15:30 > Oesophagus<br>16:00 - 18:00 > Rectum |
| 18:00 - 19:15 > <b>Opening Ceremony</b> > AUDITORIUM<br>Opening remarks<br>Keynote lecture: "Combating global cancer through an effective radiation medicine education"<br>Keynote speaker: <i>Rethy Chhem, IAEA (AT)</i><br>Entertainment: <i>Vienna Ballet</i> |   |   |  |   |  |
| 19:15 > <b>Welcome reception</b> > EXHIBITION AREA   |   |   |  |   |  |

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## SATURDAY, 5 APRIL 2014

| STRAUSS 1  | LEHAR 4   | AUDITORIUM   | STRAUSS 2-3   | SCHUBERT 4-5-6   | LEHAR 1-2-3  | STOLZ 1-2  | SCHUBERT 1-2-3                                   | A4   | LOUNGE 1234                              |
|--|---|--|---|--|--|--|--|--|--|
| <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>   | <b>TEACHING LECTURE</b>                                      | <b>TEACHING LECTURE</b>   | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>                                    | <b>TEACHING LECTURE</b>                          | <b>MULTIDISCIPLINARY TUMOUR BOARD</b>                    | <b>CONTOURING WORKSHOP</b>               |
| 08:00-08:40<br>How to translate new biological concepts into Radiation Oncology          | Updates on stem cells and radioresistance                           | Elective nodal irradiation: CTV= Cautious Target Volume      | Radiotherapy in testicular cancer: Controversies and developments             | PTV concept in brachytherapy - do we need it?                      | Modelling normal tissue complications: is there life beyond LKB and relative seriality models? | Applications of DCE-MRI in radiotherapy                    | Clinical validation of autocontouring tools      | Rectal cancer  | 08:00-10:00 Lymphoma Joint ESTRO - ILROG |
| 08:45-10:00<br>Vienna school of radiotherapy and its impact on 100 years of radiotherapy | Radiation and regulation of EMT and metastasis                      | Elective nodal irradiation: Head and neck, lung, oesophagus  | ESTRO-EAU Current controversies in prostate cancer                            | New GEC-ESTRO guidelines in clinical practice                      | Beyond the organ response-based models of toxicity   | Quantitative imaging of hypoxia                            | Adaptive treatment planning                      | 09:00-09:45 Small field dosimetry and Monte Carlo        |  |
| 10:00-10:30 Coffee break   |   |  |   |  |  |  |  |  |  |
| 10:30-11:30<br>Biological and image-guided radiotherapy                                  | Normal tissue - from cells to organs to patients                    | Head & Neck cancer   | Lung cancer   | Prostate   | Radiobiological modelling  | Technical aspects of imaging                               | Advanced treatment planning and dose calculation | 10:30-11:15 Implementation of new technology and methods |  |
| 11:45-12:20 Presidential Symposium > AUDITORIUM  |   |  |   |  |  |  |  |  |  |
| 12:20-13:00 Emmanuel van der Schueren Award Lecture > AUDITORIUM                         |   |  |   |  |  |  |  |  |  |
| 13:00-14:30<br>Lunch<br>RaySearch Laboratories AB  |   | 13:00-14:15<br>SATELLITE SYMPOSIUM<br>Varian Medical Systems | 13:00-14:15<br>SATELLITE SYMPOSIUM<br>Accuray                                 |  | 13:00-14:15<br>SATELLITE SYMPOSIUM<br>Elekta   | 13:00-14:15<br>SATELLITE SYMPOSIUM<br>ViewRay Incorporated |  |  |  |
| 14:30-15:45<br>Novel therapeutics and early clinical trials                              | ARTFORCE ANDANTE  | Elective nodal irradiation: Breast, prostate, rectum         | New insight into palliative radiotherapy for brain and spinal cord metastases | Evidence for the organ at risk constraints we use in brachytherapy | Motion management during image acquisition for planning  | Clinical dose painting                                     | RTT-led OAR delineation                          | 14:30-15:15 Biological / contouring                      |  |
| 15:45-16:15 Coffee break   |   |  |   |  |  |  |  |  |  |
| 16:15-17:15<br>Prediction and modelling  | ESTRO-ESMO-ESSO New ESMO-ESTRO-ESSO guidelines on anal canal cancer | Breast cancer  | Prostate cancer   | Breast and miscellaneous   | Applied imaging  | Advanced treatment planning                                | Novel approaches to contouring                   | 16:15-17:00 Brachytherapy                                |  |
| 17:30-18:00 Honorary Members > AUDITORIUM  |   |  |   |  |  |  |  |  |  |
| 18:00-19:00 Poster reception and poster awards > POSTER AREA                             |   |  |   |  |  |  |  |  |  |

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## SUNDAY, 6 APRIL 2014

| STRAUSS 1  | LEHAR 4  | AUDITORIUM  | STRAUSS 2-3  | SCHUBERT 4-5-6                                      | LEHAR 1-2-3   | STOLZ 1-2  | SCHUBERT 1-2-3   | A4  | STOLZ 0  | LOUNGE 1234                |
|--|--|---|--|---|---|--|--|---|--|----------------------------|
| <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>   | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>                             | <b>TEACHING LECTURE</b>                                       | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>  | <b>TEACHING LECTURE</b>   | <b>MULTIDISCIPLINARY TUMOUR BOARD</b>                | <b>CONTOURING WORKSHOP</b> |
| 08:00-08:40<br>Innovative radiotherapy, a challenge for health technology assessment | How to do preclinical testing of new radiosensitisers  | Multi-disciplinary management of rectal cancer  | The role of radiotherapy in modern melanoma treatment  | ICRU guidelines for gynaecological brachytherapy    | Geometrical uncertainties and proton treatment planning       | Automatic multicriterial treatment planning and Pareto navigation  | Advanced radiotherapy delivery techniques: What is the clinical rationale? | Statistics and methodology: "Do's and don'ts with examples"   | Breast cancer  | 08:00-10:00 Organs at risk |
| 08:45-10:00<br>Emerging new technology for Radiation Oncology                        | Target identification and novel therapeutics in combination with radiation Austrian Academy - CeMM | This house believes that adenocarcinoma of the GE junction should be treated with preoperative chemoradiation | SBRT for lung lesions: Too much, too little?   | Evidence for tumour dose response in brachytherapy  | ESTRO-AAPM Image guidance (or lack thereof) in proton therapy | Real-time dose calculation and planning  | Practical IGRT considerations for RTTs                                     | How to change your practice: Implementing evidence based practice changes   | 09:00-09:45 Sarcoma / Paediatrics / Particle therapy |                            |
| 10:00-10:30 Coffee break   |  |   |  |   |   |  |  |   |  |                            |
| 10:30-11:30<br>Safety and quality in radiotherapy                                    | New target discovery and immunotherapy   | Rectal cancer   | Stereotactic radiotherapy  | Gynaecology   | Quark based therapy (NEW)                                     | Dose calculation   | Meeting the challenge of dose reduction using IGRT                         | > POSTER AREA - Head&Neck and Lung - Gastro-intestinal and gynaecology - Prostate - Inter-disciplinary - RTT  |  |                            |
| 11:45-12:00 Donal Hollywood Award > AUDITORIUM                                       |  |   |  |   |   |  |  |   |  |                            |
| 12:00-12:45 Highlights of proffered papers > AUDITORIUM                              |  |   |  |   |   |  |  |   |  |                            |
| 13:00-14:30<br>Lunch<br>Brainlab   | 13:00 - 14:15<br>SATELLITE SYMPOSIUM<br>Carl Zeiss Meditec AG                                      | 13:00 - 14:15<br>SATELLITE SYMPOSIUM<br>Varian Medical Systems  |  | 13:30-14:30<br>GEC-ESTRO GENERAL ASSEMBLY           |   | 13:00 - 14:15<br>SATELLITE SYMPOSIUM<br>IBA  | 13:00 - 14:15<br>SATELLITE SYMPOSIUM<br>Philips Healthcare                 | YOUNG LUNCH SYMPOSIUM<br>Young ESTRO activities   |  |                            |
| 14:30-15:45<br>Current challenges in hadron therapy                                  | ACCIRAD ULICE  | Re-irradiation: New hopes (and) old concerns  | ESTRO-EANM What's new in radionuclide treatment - competition or added value for external beam radiotherapy? | Dosimetry in 3D image guided adaptive brachytherapy | Dose calculation and dosimetry for small animal irradiation   | This house believes that the strong focus on radiation protection and safety is delaying / hampering introduction of new technologies / treatment strategies | Implementation of IGRT   | Obtaining grants successfully   | 14:30-15:15 Imaging                                  |                            |
| 15:45-16:15 Coffee break   |  |   |  |   |   |  |  |   |  |                            |
| 16:15-17:15<br>Small animal image guided irradiation                                 | Gynaecological tumours   | ESTRO-ESMO-ESSO New ESMO-ESTRO-ESSO guideline on gastric cancer   | Head and Neck  | Physics   | Rotational techniques   | Advancement in plan optimisation and evaluation  | Use of IGRT in the evaluation of optimal patient positioning               | > POSTER AREA - Dosimetry and dose measurements - Dose calculation and treatment planning - Functional imaging - Brachytherapy: Gynaecology and prostate - Radiobiology |  |                            |
| 17:30-18:00 Iridium Award Lecture > AUDITORIUM                                       |  |   |  |   |   |  |  |   |  |                            |
| 18:00-18:30 Company Award Lectures > AUDITORIUM                                      |  |   |  |   |   |  |  |   |  |                            |
| 18:30 ESTRO School symposium and reception > A4                                      |  |   |  |   |   |  |  |   |  |                            |

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# MONDAY, 7 APRIL 2014

|                   | STRAUSS 1   | SCHUBERT 4-5-6   | LEHAR 4   | AUDITORIUM   | STRAUSS 2-3   | LEHAR 1-2-3  | STOLZ 1-2   | SCHUBERT 1-2-3   | A4  | LOUNGE 1234                                   |
|-------------------|---|--|---|--|---|--|---|--|---|---|
| 08:00-08:40       | TEACHING LECTURE<br>The concept of adaptive radiotherapy (ART)            | TEACHING LECTURE<br>Novel developments in functional imaging for oncology                        | TEACHING LECTURE<br>Imaging biomarkers to measure tumor oxygenation: Towards clinical application in radiation oncology | TEACHING LECTURE<br>Hypo-fractionation for early breast cancer                           | TEACHING LECTURE<br>Methodology of modern trials in Radiation Oncology: 5 foundational principles | TEACHING LECTURE<br>Treatment planning techniques to handle geometrical and anatomical uncertainties: State of the art | TEACHING LECTURE<br>Dosimetry of small fields: Present status and future guidelines by IAEA | TEACHING LECTURE<br>Current status of palliative radiation therapy                                   | MULTIDISCIPLINARY TUMOUR BOARD<br>Head and Neck cancer                            | CONTOURING WORKSHOP<br>08:00-10:00 Oesophagus |
| 08:45-10:00       | JOINT SYMPOSIUM<br>ESTRO-ESR Adaptive radiotherapy to shrinking tumours I | SYMPOSIUM<br>Defining the need for radiotherapy / provision                                      | SYMPOSIUM<br>The importance of macro-and micro-environments – tumour metabolism and more                                | JOINT SYMPOSIUM<br>ESTRO-ASTRO Current challenges in radiation therapy for breast cancer | SYMPOSIUM<br>Personalised radiation therapy – biomarkers, trial design, prevailing concepts       | SYMPOSIUM<br>QA strategies for tracking and gating   | SYMPOSIUM<br>Advances in dosimetry  | SYMPOSIUM<br>Palliative Care: A multidimensional approach  | POSTER DISCUSSION<br>09:00-09:45 Breast radiation therapy – treatment preparation |   |
| 10:00-10:30       | Coffee break  |  |   |  |   |  |   |  |   |   |
| 10:30-11:30       | SYMPOSIUM<br>Adaptive radiotherapy to shrinking tumours II                |  | PROFFERED PAPERS<br>Interplay between hypoxia, DNA repair and radiosensitivity  | PROFFERED PAPERS<br>Breast cancer  | PROFFERED PAPERS<br>Rectal cancer   | PROFFERED PAPERS<br>Managing intrafraction motion  | PROFFERED PAPERS<br>Basic dosimetry   | DEBATE<br>In the era of cone beam CT, this house believes that electronic portal imaging is obsolete | POSTER DISCUSSION<br>10:30-11:15 CNS / Palliation / Lymphoma                      |   |
| 11:45-12:30       | Selected randomised trials > AUDITORIUM                                   |  |   |  |   |  |   |  |   |   |
| 12:30-13:00       | Klaas Breur Award Lecture > AUDITORIUM                                    |  |   |  |   |  |   |  |   |   |
| 13:00-14:30 Lunch | 13:00-14:15 SATELLITE SYMPOSIUM<br>IBA                                    | 13:30-14:30 PHYSICS MEMBERS GENERAL ASSEMBLY   | 13:00-14:15 SATELLITE SYMPOSIUM<br>ScandiDos  |  |   |  |   | 13:00-14:15 SATELLITE SYMPOSIUM<br>Sun Nuclear Corporation   |   |   |
| 14:30-16:00       | SYMPOSIUM<br>Best of ASTRO at ESTRO                                       | SYMPOSIUM<br>Gottwald Schwarz symposium: Biologically adaptive radiotherapy: The hypoxia example |   | JOINT SYMPOSIUM<br>ESTRO-EORTC Current developments in soft tissue sarcoma treatment     | SYMPOSIUM<br>Individualisation of treatment for patients with high grade glioma                   | SYMPOSIUM<br>Clinical validation of contour propagation and atlas-based segmentation tools                             | SYMPOSIUM<br>Accuracy and its clinical relevance in brachytherapy                           | SYMPOSIUM<br>Patient management and supportive care  | POSTER DISCUSSION<br>14:30-15:15 Modelling and adaptive radiotherapy              |   |
| 16:00-16:30       | Coffee break  |  |   |  |   |  |   |  |   |   |
| 16:30-17:30       | SYMPOSIUM<br>Immunology and radiotherapy                                  | SYMPOSIUM<br>Individualised radiotherapy for HPV-positive head and neck cancer                   | SYMPOSIUM<br>ESTRO delineation guideline for breast cancer  | PROFFERED PAPERS<br>Late breaking abstracts  | PROFFERED PAPERS<br>Health economics  | PROFFERED PAPERS<br>Interfraction variations   | PROFFERED PAPERS<br>Clinical dose measurements  | PROFFERED PAPERS<br>Current perspectives on patient care and clinical practice                       |   |   |
| 17:30-18:30       | General assembly > STRAUSS 1  |  |   |  |   |  |   |  |   |   |
| 21:30             | Social evening  |  |   |  |   |  |   |  |   |   |

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# TUESDAY, 8 APRIL 2014

|             | SCHUBERT 1-2-3   | SCHUBERT 4-5-6                                  | LEHAR 4   | STRAUSS 1  | STRAUSS 2-3   | LEHAR 1-2-3   | STOLZ 1-2   | A4  | LOUNGE 1234                               |  |
|-------------|--|---|---|--|---|---|---|---|---|--|
| 08:30-09:10 | TEACHING LECTURE<br>NTCP modelling: Fact or myth?  | TEACHING LECTURE<br>Review of secondary cancers | TEACHING LECTURE<br>microRNAs and tumour radiation response                     | TEACHING LECTURE<br>Locally advanced NSCLC: Is there a role for radiotherapy to improve local control? | TEACHING LECTURE<br>Health economics in Radiation Oncology                      | TEACHING LECTURE<br>Cost-benefit of further optimisation of VMAT and IMRT planning  | TEACHING LECTURE<br>State of the art of radiotherapy under MRI guidance                             | TEACHING LECTURE<br>Fundamentals of scientific research | CONTOURING WORKSHOP<br>08:30-10:30 Rectum |  |
| 09:15-10:30 | SYMPOSIUM<br>Clinical factors influencing radiation induced toxicity   | SYMPOSIUM<br>Dose escalation                    | SYMPOSIUM<br>Epigenetic and miRNA regulation of tumour response to radiotherapy | SYMPOSIUM<br>Current developments in the multidisciplinary management of head and neck cancer          | SYMPOSIUM<br>Radiotherapy costs   | JOINT SYMPOSIUM AND ROUNDTABLE<br>ESTRO-AAPM-EFOMP Future of medical physics in radiotherapy: Academic vs professional role | SYMPOSIUM<br>Daily plan selection strategies in adaptive radiotherapy                               | SYMPOSIUM<br>Research skills for RTTs                   |   |  |
| 10:30-11:00 | Coffee break   |   |   |  |   |   |   |   |   |  |
| 11:00-12:00 | SYMPOSIUM<br>New approaches to model normal tissue reactions   | SYMPOSIUM<br>Non-target doses                   |   | JOINT SYMPOSIUM<br>ESTRO-PROS-IAEA Radiotherapy of CNS tumours of children                             | SYMPOSIUM<br>Radiotherapy in metastatic cancer with the aim to improve survival | SYMPOSIUM<br>Review of dose comparison metrics  | JOINT SYMPOSIUM<br>ESTRO-EFOMP Adaptive radiotherapy strategies for dose monitoring and re-planning | SYMPOSIUM<br>Train the trainers programme: An update    |   |  |
| 12:00-13:00 | Closing debate > STRAUSS 1<br>This house believes that large Phase III trials remain the gold standard in Radiation Oncology |   |   |  |   |   |   |   |   |  |
|             | Closing remarks > STRAUSS 1<br>V. Valentini (IT)   |   |   |  |   |   |   |   |   |  |

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