

## Main Session, Biology, Clinics, Physics

Thursday, March 19<sup>th</sup>, 2009

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|---------------|----------------------------|---|
| 12:00 – 13:15 | Upper Mall                 | <b>Registration</b> and Coffee  |
| 13:15 – 13:30 | Cinema 1                   | <b>Opening Ceremony</b><br>A. Lomax, Congress President SASRO 2009<br>D. Aebersold, SASRO President   |
| 13:30 – 14:30 | Cinema 1                   | <b>Physics I</b><br>Chairpersons: S. Bulling, U. Schneider<br>Proffed Paper Session (12 min + 3 min discussion)   |
| 13:30 – 13:45 | Cinema 1<br>PO1<br>page 68 | INITIAL COMMISSIONING OF THE BEAM<br>LINE OF THE NEW GANTRY 2 OF PSI<br>Pedroni E., Meer D., Bula Ch., Zenklusen S. (Center for<br>Proton Beam Radiation Therapy, PSI, Switzerland)             |
| 13:45 – 14:00 | Cinema 1<br>PO2<br>page 69 | DEVELOPMENTS TOWARDS NEW PROTON BEAM<br>SCANNING TECHNIQUES ON THE NEW GANTRY 2<br>Meer D., Pedroni E., Bula Ch., Zenklusen S. (Center for<br>Proton Beam Radiation Therapy, PSI, Switzerland)  |
| 14:00 – 14:15 | Cinema 1<br>PO3<br>page 70 | SIB RADIOTHERAPY OF BILATERAL BREAST<br>WITH RAPIDARC COMPARED TO IMRT<br>Cozzi L., Vanetti E., Clivio A., Nicolini G., Fogliata A.<br>(Oncology Institute of Southern Switzerland, Bellinzona) |
| 14:15 – 14:30 | Cinema 1<br>PO4<br>page 71 | 3D IN VIVO DOSIMETRY IN TOMOTHERAPY:<br>FIRST RESULTS<br>Schombourg K., Bochud F., Moeckli R.<br>(University Institute for Radiation Physics CHUV and<br>Lausanne University)                   |
| 14:30 – 15:15 | Cinema 1<br>IS1<br>page 36 | <b>Invited Speaker: O. Jäkel</b> , Heidelberg Ion Beam The-<br>rapy Center and German Cancer Resaerch Center<br>STATUS AND OBJECTIVES OF THE HEIDELBERG ION<br>BEAM THERAPY FACILITY            |
| 15:15 – 16:00 | Upper Mall/<br>Glassaal    | <b>Coffee Break / Posters / Industrial Exhibition</b>   |

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| 16:00 – 17:00 | Cinema 1                   | <b>Clinics I</b><br>Chairpersons: St. Bodis, F. Zimmermann<br>Proffed Paper Session (12 min + 3 min discussion)  |
| 16:00 – 16:15 | Cinema 1<br>CO1<br>page 50 | PROTON RADIOTHERAPY (PT) AT PAUL SCHERRER<br>INSTITUTE: THE FIRST YEAR OF CONTINUOUS CLINICAL<br>OPERATION<br>Hug E., Ares C., Bolsi A., Coray D., Goitein G., Lederer L.,<br>Timmermann B., Salk J., Schneider R., Frei A., Lomax A.J.<br>(Center for Proton Beam Radiation Therapy, PSI,<br>Switzerland)   |
| 16:15 – 16:30 | Cinema 1<br>CO2<br>page 51 | SPOT-SCANNING PROTON RADIATION<br>THERAPY FOR EXTRA-CRANIAL CHORDOMA<br>Rutz H.P., Staab A., Timmermann B., Ares C., Lomax T.,<br>Goitein G., Hug E. (Center for Proton Radiation Therapy,<br>PSI, Switzerland)  |
| 16:30 – 16:45 | Cinema 1<br>CO3<br>page 52 | PROTON BEAM RADIATION THERAPY OF CHILDHOOD<br>MALIGNANCIES AT PSI: A PROSPECTIVE ANALYSIS<br>Timmermann B., Maier S., Lomax A., Niggli F.*, Frei M.*,<br>Hug E. (Center for Proton Beam Radiation Therapy, PSI,<br>Switzerland; *Children's Hospital, University Zürich,<br>Switzerland)   |
| 16:45 – 17:00 | Cinema 1<br>CO4<br>page 53 | PROTON RADIATION THERAPY OF OCULAR<br>MELANOMA AT PSI - LONG TERM ANALYSIS<br>Goitein G. <sup>(1)</sup> , Schalenbourg A. <sup>(2)</sup> , Verwey J. <sup>(1)</sup> , Bolsi A. <sup>(1)</sup> ,<br>Ares C. <sup>(1)</sup> , Chamot L. <sup>(2)</sup> , Pampallona S. <sup>(3)</sup> , Hug E. <sup>(1)</sup> ,<br>Zografos L. <sup>(2)</sup><br>(1) Center for Proton Beam Radiation Therapy, PSI,<br>Switzerland;<br>(2) Hôpital Ophtalmique Jules Gonin,<br>Avenue de France, 1004 Lausanne;<br>(3) forMed, Statistics for Medicine (3), 1983 Evolène |
| 17:00 – 18:00 | Cinema 1                   | <b>General Assembly SRO</b>  |

## Main Session, Biology, Clinics, Physics

Friday March 20<sup>th</sup>, 2009

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| 08:30 – 09:45 | Cinema 1                   | <b>Physics II</b><br>Chairpersons: R. Seiler, PA Tercier<br>Proffed Paper Session (12 min + 3 min. discussion)   |
| 08:30 – 08:45 | Cinema 1<br>PO5<br>page 72 | DOSIMETRIC PERFORMANCE OF THE HIGH-DEFINITION HD120 MLC<br>Manser P., Frauchiger D., Malthaner M., Born E.J., Fix M.K. (Division of Medical Radiation Physics, Inselspital – University of Berne, Switzerland)   |
| 08:45 – 09:00 | Cinema 1<br>PO6<br>page 73 | STUDYING THE EFFECT OF IONIZATION CHAMBER MEASUREMENTS IN LOW-DENSITY MEDIA USING MONTE CARLO SIMULATION<br>Pisaturo O., Bochud F.O., Moeckli R. (University Institute for Radiation Physics, CHUV, UNIL)  |
| 09:00 – 09:15 | Cinema 1<br>PO7<br>page 74 | PERIPHERAL DOSIMETRY BY MONTE CARLO FOR 6MV AND CO-60 BEAMS<br>Joosten A., Levi F., Baechler S., Mirimanoff R.O., Bochud F., Moeckli R. (Institute for Radiation Physics; Cancer Epidemiology Unit and Cancer Registries of Vaud and Neuchâtel, Institute of Social and Preventive Medicine (IUMSP); Department of Radiation Oncology, Centre Hospitalier Universitaire Vaudois, Lausanne) |
| 09:15 – 09:30 | Cinema 1<br>PO8<br>page 75 | DOSE DELIVERY SIMULATIONS FOR REPAINTED PROTON BEAM SCANNING<br>Zenklusen S., Pedroni E., Meer D. (Center for Proton Beam Radiation Therapy, PSI, Switzerland)   |
| 09:30 – 09:45 | Cinema 1<br>PO9<br>page 76 | PROTON RANGE VERIFICATION USING A RANGE PROBE: DEFINITION OF CONCEPT AND INITIAL ANALYSIS<br>Murmot M., Algranati C., Hartmann M., Schippers J.M., Hug E., Lomax A.J. (Center for Proton Beam Radiation Therapy, PSI, Switzerland)   |

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| 09:45 – 10:30 | Cinema 1<br>IS2<br>page 37 | <b>Invited Speaker: M. Hoogeman</b> , Erasmus MC – Daniel den Hoed Cancer Center<br>CYBERKNIFE: IMAGE GUIDANCE AND REAL-TIME TRACKING  |
| 10:30 – 11:15 | Upper Mall/<br>Glassaal    | <b>Coffee Break / Posters / Industrial Exhibition</b>  |
| 11:15 – 12:30 | Cinema 1                   | <b>Clinics II</b><br>Chairpersons: L. Plasswilm, G. Studer<br>Proffed Paper Session (12 min + 3 min. discussion)   |
| 11:15 – 11:30 | Cinema 1<br>CO5<br>page 54 | RADIATION THERAPY IN THE MANAGEMENT OF NODE NEGATIVE, SMALL ( $\leq 2$ cm) ANAL CANCER<br>Zilli T., Allal A.S., Casanova N., Miralbell R., Ozsahin M. (Department of Radiation Oncology of the Geneva University Hospital, Geneva, Switzerland)                                |
| 11:30 – 11:45 | Cinema 1<br>CO6<br>page 55 | IMRT AND CONCURRENT CHEMOTHERAPY FOR ANAL CANCER PATIENTS: AVOIDING TREATMENT BREAKS<br>Kollar A.; Aebersold D.M.; Blumstein N.M. (Institute: Department of Radiation Oncology, Inselspital Bern, Switzerland)   |
| 11:45 – 12:00 | Cinema 1<br>CO7<br>page 56 | SIMULTANEOUS INTEGRATED BOOST (SIB) BY TOMOTHERAPY FOR THE TREATMENT OF CERVIX CANCER WITH 18F-FDG PET<br>Bouchaab H., Delaloye J.F., Achtari C., Paschoud M., Vallet V., Moeckli R., Prior J., Pica A. (Radiation Oncology, Gynecology, IRA, Nuclear Medicine, CHUV Lausanne) |
| 12:00 – 12:15 | Cinema 1<br>CO8<br>page 57 | TIMING OF RADIOTHERAPY (RT) AND OUTCOME IN PATIENTS (PTS) RECEIVING ADJUVANT ENDOCRINE THERAPY (ET)<br>Gruber G. on behalf of RT Task Force of IBCSG (Clinic Hirslanden, Institute for Radiotherapy, Zuerich; International Breast Cancer Study Group; www.ibcsg.org)          |

- 12:15 – 12:30 Cinema 1  
CO9  
page 58
- ADENOID CYSTIC CARCINOMA (ACC) OF THE BREAST: A RARE CANCER NETWORK STUDY  
Khanfir K., Kallel A., Villette S., Belkacemi Y., Vautravers C., Nguyen T.D., Miller R., Li Y.X., Taghian A., Goldberg H., Poortmans P., Boersma L.J., Veas H.J., Senkus-Konefka E., Igdem S., Ozsahin M., Jeanneret Sozzi W. (Universities or Cancer Centers at Sion (CH), Lausanne (CH), Villejuif (F), Paris (F), Lille (F), Dijon (F), Reims (F), Rochester, MN (USA), Beijing (PRC), Boston (USA), Naharia (IL), Tilburg (NL), Maastricht (NL), Geneva (CH), Gdansk (PL), Istanbul (TR))
- 12:30 – 14:00 Upper Mall/  
Glassaal
- Lunch / Posters / Industrial Exhibition**
- 14:00 – 15:00 Cinema 1
- Biology I**  
Chairpersons: A. Pica, Y. Zimmer  
Proffed Paper Session (12 min + 3 min. discussion)
- 14:00 – 14:15 Cinema 1  
BO1  
page 46
- INHIBITION OF THE MET RECEPTOR TYROSINE KINASE SIGNIFICANTLY IMPACTS THE DNA DAMAGE RESPONSE MACHINERY  
Medová M., Aebersold D.M., Blank-Liss W., Streit B., Zimmer Y. (Radiation Oncology, Inselspital, University of Berne, Switzerland)
- 14:15 – 14:30 Cinema 1  
BO2  
page 47
- THE MAJOR VAULT PROTEIN AND IONIZING RADIATION  
Hollenstein A., Pruschy M. (University Hospital Zurich, Laboratory for Molecular Radio Biology)
- 14:30 – 14:45 Cinema 1  
BO3  
page 48
- PROBING THE TUMOR RESPONSE UNDER TREATMENT  
Orlowski K., Zimmermann M., Vuong V., Rohrer Bley C., Pruschy (University Hospital Zurich, Zurich, Switzerland)
- 14:45 – 15:00 Cinema 1  
BO4  
page 49
- ENHANCEMENT IN LOCAL TUMOR CONTROL AND REDUCTION IN DISTANT METASTASES OF HUMAN TUMOR XENOGRAPHS BY COMBINING RADIOTHERAPY WITH C225 ANTI-EGFR AND DC101 ANTI-VEGFR-2 ANTIBODIES  
Riesterer O., Yang Q., Raju U., Tucker S.L., Valdecanas D., Carpenter J., Pickett J., Wang L., Ang K.K., Milas L. (University Hospital Zurich, Zurich, Switzerland, University of Texas M.D. Anderson Cancer Center, Houston, TX, USA)

- 15:00 – 15:45 Upper Mall/  
Glassaal
- Coffee Break / Posters / Industrial Exhibition**
- 15:45 – 16:30 Cinema 1  
IS3  
page 38
- Joint Invited Speaker: W. de Neve,**  
Ghent University Hospital  
NEW TRENDS IN RADIATION THERAPY
- 16:30 – 18:00 Cinema 1
- General Assembly SASRO**
- 18:00 – 22:00 PSI
- Social Event** at the OASE restaurant,  
Paul Scherrer Institut, Villigen

## Main Session, Biology, Clinics, Physics

Saturday, March 21<sup>st</sup>, 2009

|               |                             |   |
|---------------|-----------------------------|---|
| 08:30 – 09:30 | Cinema 1                    | <b>Clinics III</b><br>Chairpersons: G. Pesce, A. Pica<br>Proffed Paper Session (12 min + 3 min. discussion)   |
| 08:30 – 08:45 | Cinema 1<br>CO10<br>page 59 | COMPARISON OF TWO DIFFERENT TECHNIQUES IN PROSTATE SEED IMPLANTATION: SINGLE SEEDS VS CUSTOMIZABLE STRANDS<br>Thoeni A., Neuenschwander H., Wulf J.<br>(Radio-Onkologie, Lindenhofspital, Bern)   |
| 08:45 – 09:00 | Cinema 1<br>CO11<br>page 60 | HYPOFRACTIONATED HIGH-PRECISION RADIOTHERAPY OF TUMORS IN THE LUNG AND LIVER AT LINDENHOFSPITAL BERN: FROM STEREOTACTIC COORDINATES TO IMAGE-GUIDED TREATMENT<br>Wulf J., André L., Oppitz U., Thoeni A.<br>(Lindenhofspital Bern)  |
| 09:00 – 09:15 | Cinema 1<br>CO12<br>page 61 | PROSTATE CANCER RELAPSE AFTER PRIMARY THERAPY: A DIAGNOSTIC AND THERAPEUTIC DILEMMA – IS [11C]-CHOLINE PET/CT A SENSITIVE TOOL FOR PATIENT SELECTION FOR SALVAGE RT?<br>Schoch M., Aebersold D.M., Reske S.N., Blumstein C.G., Perner S., Gottfried H.W., Kuefer R., Blumstein N.M.<br>(Department of Nuclear Medicine, University of Ulm, Germany) |
| 09:15 – 09:30 | Cinema 1<br>CO13<br>page 62 | COMPARATIVE METHODS FOR DELINEATION OF TARGET VOLUMES IN 18F-CHOLINE PET/CT STUDIES OF RECURRENT PROSTATE CANCER<br>Wang H., Veas H., Senthamizhchelvan S.*, Wissmeyer M*, Steiner C.*, Ratib O.*, Miralbell R., Zaidi H.* (Service of Radiation Oncology and *Nuclear Medicine, Geneva)  |
| 09:30 – 10:15 | Cinema 1<br>IS4<br>page 39  | <b>Invited Speaker: F. Saran,</b><br>Department of Radiotherapy, Royal Marsden NHS Foundation Trust, Sutton, Surrey   |
| 10:15 – 10:45 | Upper Mall/<br>Glassaal     | <b>Coffee Break / Posters / Industrial Exhibition</b>   |

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| 10:45 – 12:00 | Cinema 1                    | <b>Clinics IV</b><br>Chairpersons: S. Bieri, K. Zaugg<br>Proffed Paper Session (12 min + 3 min. discussion)   |
| 10:45 – 11:00 | Cinema 1<br>CO14<br>page 63 | MUTATION OF ISOCITRATE DEHYDROGENASE (IDH1) IN BRAIN TUMORS AS A PREDICTOR FOR SURVIVAL<br>Pesce G. <sup>(1)</sup> , Bleeker E.F. <sup>(2-3)</sup> , Martin V. <sup>(4)</sup> , Mauri S. <sup>(1)</sup> , Lamba S. <sup>(3)</sup> , Boscherini D. <sup>(5)</sup> , Renella R.R. <sup>(5)</sup> , Mazzucchelli L. <sup>(4)</sup> , Bardelli A. <sup>(3)</sup> , Frattin M. <sup>(4)</sup><br>(1) Radiation Oncology IOSI, Bellinzona CH,<br>(2) Neurosurgical Center Amsterdam, NL,<br>(3) Lab. of Molecular Genetics, University of Torino, Candiolo I,<br>(4) Inst. of Pathology, Locarno CH, 5. Neurosurgery Department, Regional Hospital, Lugano CH |
| 11:00 – 11:15 | Cinema 1<br>CO15<br>page 64 | LOW DOSE (2x2 Gy) RT IN INDOLENT LYMPHOMA<br>Rossier C. <sup>(1)</sup> , Schick U. <sup>(2)</sup> , Weber D. <sup>(2)</sup> , Miralbell R. <sup>(2)</sup> , Mirimanoff R.O. <sup>(1)</sup> , Ozsahin M. <sup>(1)</sup><br>(1) Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne<br>(2) Hôpitaux Universitaires de Genève (HUG), Geneva  |
| 11:15 – 11:30 | Cinema 1<br>CO16<br>page 65 | OUTCOME AND PATTERNS OF FAILURE IN PATIENTS WITH CARCINOMA OF UNKNOWN PRIMARY (CUP) IN THE HEAD AND NECK REGION: SELECTIVE VS EXTENSIVE CERVICAL LYMPH NODE IRRADIATION<br>Graeter R., Aebersold D.M., Blumstein N.M. (Department of Radiation Oncology, University of Berne)   |
| 11:30 – 11:45 | Cinema 1<br>CO17<br>page 66 | DAILY SETUP VARIATIONS ON HELICAL TOMOTHERAPY OF HEAD AND NECK CANCER<br>Mazouni Z., Duclos F., Zouhair A., Mirimanoff R.O., Ozsahin M. (Department of Radiation Oncology, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland)  |
| 11:45 – 12:00 | Cinema 1<br>CO18<br>page 67 | OUTCOME OF PATIENTS PRESENTING WITH 1-3 BRAIN METASTASIS (BM) TREATED WITH A BOOST AFTER WBRT<br>Casanova N. <sup>(1)</sup> , Mazouni Z. <sup>(2)</sup> , Pica A. <sup>(2)</sup> , Weber D.C. <sup>(1)</sup><br>(1) Department of Radiation Oncology, Genève,<br>(2) Department of Radiation Oncology, Lausanne)  |
| 12:00 – 12:30 | Cinema 1                    | <b>Awards and Closing Ceremony</b>  |