

Program
The 2nd Young Members Neutron Capture Therapy Meeting

Studsvik, Sweden & Otaniemi, Finland June 9th to 14th 2001

Saturday 9th June

	Shuttle from Nyköping to Studsvik
19:30	Get together for a welcome buffet

Sunday 10th June

10.00	Welcome & Overlook at the conference programme & preparatory lecture (Jacek Capala & Iiro Auterinen)
10.30	<i>Plenary Lecture Kurt Sköld: Studsvik facility</i>

Session I - Neutron sources

Chair: Stead Kiger

11.30	Juan Esposito: <i>Advances towards an hospital based BNCT irradiation facility based on a D-T fusion neutron source</i>
11.50	Oleg Kononov: <i>Perspective of using electrostatic accelerators for neutron therapy</i>
12.10	Darren Bleuel: <i>Calculating the Dose Response of any Source Spectra from a Single Monte Carlo Simulation</i>
12.30	Discussion

12.50	Lunch
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Session II – Compounds- development and testing

Chair: Wilko Verbakel

13.50	Marc Gula: <i>BSH-related compounds: How can watersolubility and cellular uptake be influenced?</i>
14.10	Udo Döfler: <i>Synthesis of boron-containing diamines-agents for BNCT</i>
14.30	Claudia Bauer: <i>Azaboranes with hydroxypropyl residues as possible compounds for use in BNCT</i>
14.50	Stead Kiger: <i>Measurement of the [¹⁰B]BPA-F Microdistribution in Rat Oral Mucosa and Skin using High Resolution Quantitative Autoradiography</i>
15.10	Maria Dahlström: <i>Uptake an accumulation of boron in malignant normal cells</i>
15.30	Discussion: <i>Why after all those years we still stuck with only two compounds that are far from optimal?</i>

16.00	Coffee
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Session III - Dosimetry

Chair: Anna Mason

16:15	<i>Plenary Lecture: Francesco d'Errico: Superheated drop detectors for neutron dosimetry -</i>
16:45	Hong-Ming Liu: <i>Gamma dose measurement at THOR</i>
17:05	Wilko Verbakel: <i>Boron measurements for in vivo dosimetry</i>
17:25	Jouni Uusi-Simola: <i>Microdosimetry in Finland</i>
17:45	Discussion

Evening in Nyköping

19:00	Leaving for Nyköping, dinner etc.
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Monday 11th of June

9:30	Studsvik facility tour
11:00	Coffee

Session IV- Treatment Planning – systems: current & future, strategy

Chair: Sara González

11.20	Tiina Seppälä: <i>Accuracy of Computed Physical Doses at FiR 1</i>
11.40	Lanfranco Muzi: <i>Activity performed in the field of Treatment Planning at University of Pisa</i>
12:00	Arash Rezaei: <i>Monte Carlo based treatment planing for BNCT</i>
12:20	Yung-Hung Teng: <i>Recent Development of Treatment Planning Software for Neutron Capture Therapy for Cancer at Tsing-Hua</i>
12.40	Discussion

13:00	Lunch
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Chair: Tim Goorley

14:00	<i>Plenary Lecture Lennart Lindborg: The variance method applied to mixed field radiation measurements.</i>
14:45	<i>Plenary Lecture Eva Lund: TLD measurements in an anthropomorphic phantom in a mixed gamma neutron field</i>
15:30	<i>Plenary Lecture Per Munck: Mixed field dosimetry at Studsvik or Reference dosimetry at the Studsvik facility</i>

16.20	Coffee
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16:40	<i>Plenary Lecture Jacek Capala: Clinical protocols at Studsvik</i>
17:05	<i>Plenary Lecture Britta H. Stenstam: Clinical Experience at Stusvik</i>
17:50	Discussion

19.00	<i>Barbeque</i>
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Tuesday 12th of June

Session V - Radiobiology of BNCT

Chair: Tiina Seppälä

9:30	Jacek Capala: <i>Hot Issues in Radiobiology of BNCT</i>
10:00	Erica Kreimann: <i>BNCT for the treatment of oral cancer in the hamster cheek pouch model</i>
10:20	Alejandra Dargosa: <i>Selective biodistribution of BPA in undifferentiated thyroid carcinoma for boron neutron capture therapy (BNCT)</i>
10.40	Coffee
11.00	Anna Mason: <i>A Biological Comparison of Neutron Beams and of Beam Energy for BNCT</i>
11.20	Tim Goorley: <i>DNA damage from Gadolinium Based Therapies</i>
11:40	Discussion
12.00	Lunch
14:00	Bus to Stockholm harbour
17.00	The cruise ship (M/S Silja Symphony) leaves Stockholm
17.00	Coffee at conference room

Session VI- New approaches, New applications etc.

Chair: Claudia Bauer

17:30	Gustavo Santa Cruz: <i>Can we predict biological effectiveness for internal sources of heavy charged particles using computational microdosimetry?</i>
17:50	Sara González: <i>the last PC version of NCTPlan</i>
18:10	Giuseppe Daquino: <i>PET-based Treatment Planning System for BNCT. Acquisition of real macroscopic boron distribution in a more realistic dose calculation tool (BDTPS).</i>
18:30	Hanna Bjugg: <i>Calculational evaluations of the proposal for a reference dosimetric phantom for BNCT</i>
18:50	Iiro Auterinen: <i>FiR 1</i>
19:10	Discussion
20.00	Buffet Dinner

Wednesday 13th of June

9.30	The cruise ship arrives in Helsinki harbour
10.00	Leaving the ship for Espoo

Chair: Darren Bleuel

11.00	Tom Seren: <i>Dosimetry at FiR 1</i>
11.25	Jyrki Vähätalo: <i>NF2 and F-18 labeling of BPA for PET</i>
11.50	Sami Heikkinen: <i>MRS imaging of BPA</i>
	Discussion?

12:30	Lunch
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13:45	FiR 1 Facility Tour
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15:00	Leaving Otaniemi for Helsinki & Sightseeing
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16:20	Walk from Market Square to harbour
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17.00	The cruise ship leaves Helsinki
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19.00	Closing & Discussion
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20.30	Dinner
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Thursday 14th of June

9.30	M/S Silja Symphony arrives in Stockholm
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