

*Invited Symposium*

*on*

*Radiobiologically based optimization for IMRT*

*13 September 2008*

*Hotel Novotel, Klippan 1, Göteborg, Sweden*

- 9:00 WELCOME*  
Michael Patriksson
- 9:30 The impact of biological-model-parameter choice on  
biologically optimised treatment plans*  
Alan Nahum
- 10:00 Ongoing work in the Göteborg group I*  
*Influence of the spatial distribution of dose and the  
fractionation effect in multiple phases radiotherapy*  
Ph.D. student Caroline Olsson, Biosciences
- 10:15 GROUP DISCUSSION*
- 10:30 COFFEE*
- 11:00 Robust optimization for IMRT*  
Markus Alber
- 11:30 Ongoing work in the Göteborg group II*  
*Robust optimization*  
Ph.D. student Christoffer Cromvik, Mathematics
- 11:45 GROUP DISCUSSION*

- 12:00 LUNCH*
- 13:30 Calculation algorithms suitable for IMRT*  
Joseph Deasy
- 14:10 Biologically optimized IMRT using photons, electrons and light  
ion beams and in vivo Predictive Assay (BioArt)*  
Anders Brahme
- 14:50 COFFEE*
- 15:10 Multi-criteria optimization in IMRT planning*  
Alexander Scherrer
- 15:50 GROUP DISCUSSION AND CONCLUDING REMARKS*  
*Michael Patriksson and Karl-Axel Johansson*
- ~17:00 END*
- 17:30 DINNER at Sjömagasinet (~500m walk from Novotel)*

*PARTICIPANTS*

<i>Alber Markus</i>	<i>Axelsson–Fisk Marina</i>	<i>Björk–Eriksson Thomas</i>
<i>Brahme Anders</i>	<i>Bäck Anna</i>	<i>Cromvik Christoffer</i>
<i>Dasu Iuliana</i>	<i>Deasy Joseph</i>	<i>Gustavsson Magnus</i>
<i>Johansson Karl-Axel</i>	<i>Kemp Graham</i>	<i>Kempe Johanna</i>
<i>Larsson Torbjörn</i>	<i>Nahum Alan</i>	<i>Nilsson Per</i>
<i>Patriksson Michael</i>	<i>Pettersson Niclas</i>	<i>Olsson Caroline</i>
<i>Scherrer Alexander</i>	<i>Uzan Julien</i>	<i>Zackrisson Björn</i>