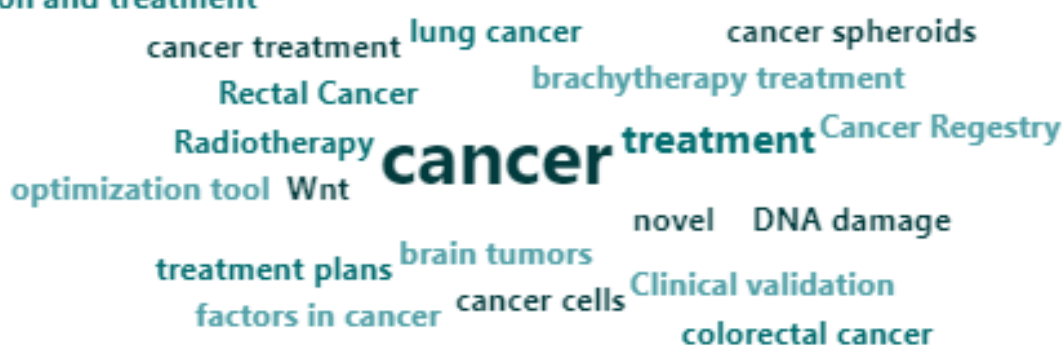


proliferation and treatment



**8.30-9.00 Registration and Coffee**

**9.00-10.30 Session I: Head and neck cancers and Brain tumors**  
Chair: **Charlotta Dabrosin**

**9.00** Welcome

**9.15** *In head and neck cancer spheroids, CAFs modulate transcriptional signatures and affect the proliferation and treatment response* Karin Roberg

**9.30** *Precision medicine for brain tumors* Malgorzata Lysiak

**9.45** *Fully automatic brain tumor segmentation for radiotherapy treatment planning* David Abramian

**10.00** *Brain tumor classification using advance image analytics: MRI and histology data* Iulian Emil Tampu

**10.15** *DigiPat forum at LiU* Neda Haj-Hosseini/  
Claes Lundström

**10.30-11.00 Coffee Break**

<b>11.00-12.10</b>	<b>Session II: Infrastructures for Cancer research</b> Chair: <b>Neda Haj-Hosseini</b>	
<b>11.00</b>	Using spatial biology tools for your cancer research - opportunities at SciLifeLab	Charlotte Stadler
<b>11.35</b>	Olink: Multiplex proteomics to reveal actionable biology and novel biomarkers	Nikolaos Teripis
<b>11.55</b>	<i>An update on the clinical evaluation of zebrafish patient-derived xenograft-based treatment planning</i>	Lasse Jensen
<b>12.10-13.00</b>	<b>Lunch</b>	
<b>13.00-14.35</b>	<b>Session III: Hematologic malignancies and Radiation therapy</b> Chair: <b>Judit Arvelund</b>	
<b>13.00</b>	<i>Clinical genomics – a local SciLifeLab infrastructure</i>	Peter Söderkvist
<b>13.20</b>	<i>Targeting DNA methylation with Decitabine in paediatric leukaemia</i>	Maike Bensberg
<b>13.35</b>	<i>Infection – Autoimmunity - B-Lymphoma: Studies on Chronic fatigue Syndrome</i>	Muhammad Rizwan
<b>13.50</b>	<i>NHP2 promote telomere lengthening and DNA damage response through two independent mechanisms</i>	Bartosz Malinski
<b>14.05</b>	<i>Investigating Myc interactions in solution: cMyc-PNUTS and nMyc-AuroraA</i>	Alexandra Ahlner
<b>14.20</b>	<i>Clinical validation of a novel mathematical optimization tool for automated adjustment of brachytherapy treatment plans</i>	Frida Dohlmar
<b>14.35-15.00</b>	<b>Coffee Break</b>	
<b>15.00-16.30</b>	<b>Session IV: Gastrointestinal cancer and Melanoma</b> Chair: <b>Stig Linder</b>	
<b>15.00</b>	<i>Preoperative Radiotherapy Strategy for Patients with Stage I-III Rectal Cancer: A Real-World Analysis Based on Swedish Rectal Cancer Registry</i>	Bin Luo
<b>15.15</b>	<i>The chromatin landscape of Wnt response</i>	Pierfrancesco Pagella
<b>15.30</b>	<i>FOX transcription factor family: its complex relation with Wnt signaling</i>	Lavanya Moparthi
<b>15.45</b>	<i>Epigenetic metabolic programs set by parental cues and early life events</i>	Anita Öst
<b>16.00</b>	<i>Effect of UV radiation on proliferation and migration of malignant melanoma</i>	Karin Öllinger
<b>16.15</b>	<b>Final Remarks</b>	