









WACQT







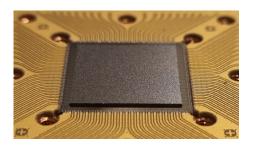
Swedish Quantum Life Science Centre

2023-10-27

Ebba Carbonnier Director

Agenda

• Why Quantum Life Science?



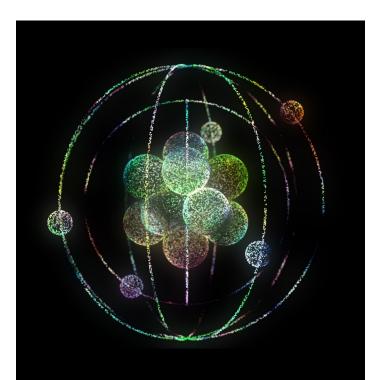
Where?

How?
 Examples of our Quantum Life Science projects

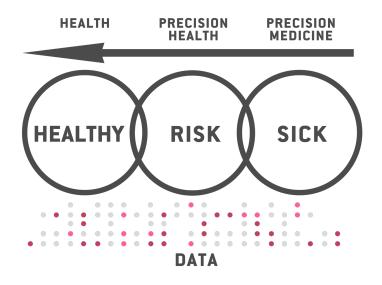


Background - why QLS?

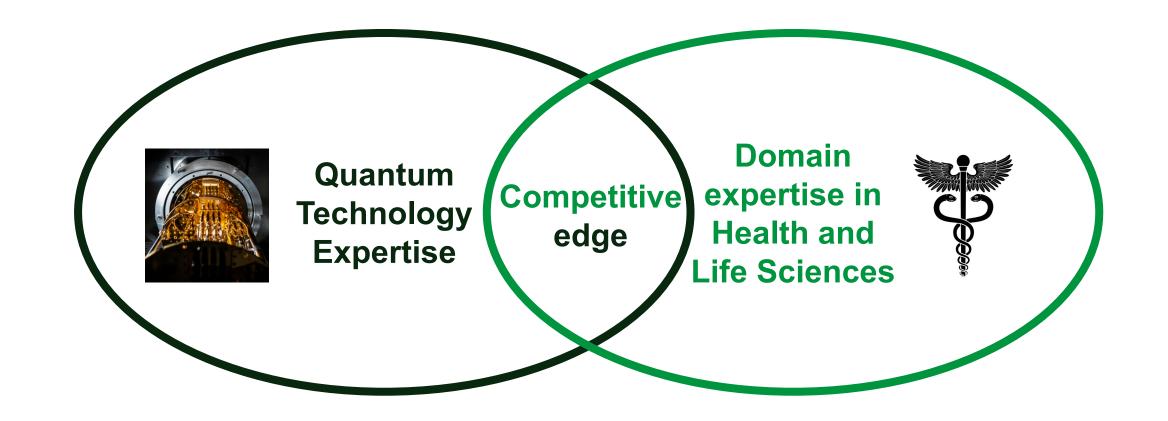
Quantum Mechanics as the Operating System of Nature



Highly relevant for understanding our molecular biological processes

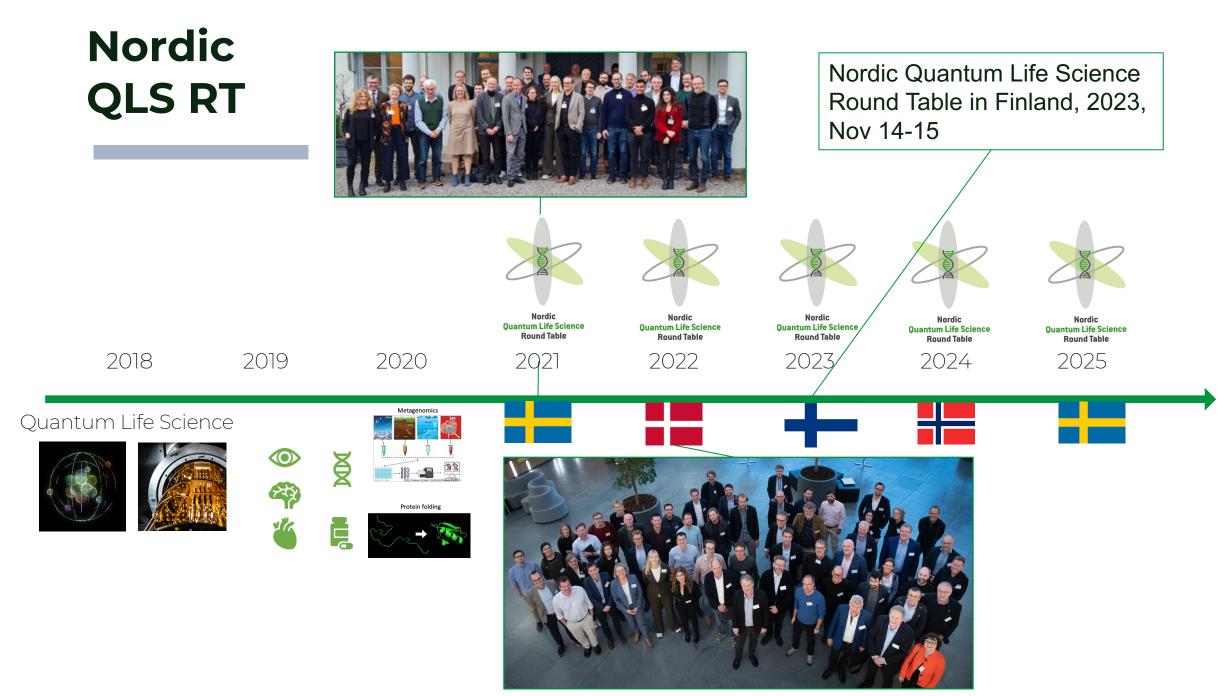


Why Quantum Life Science in Sweden?



Quantum Life Science World Wide





Fast facts Swedish QLS Centre

Goal: development of Quantum Life Science (QLS) applications

QLS Centre Leadership

- Anna Martling Steering Committee
 Professor and Dean of KI North at Karolinska Institutet, Senior Consultant at Karolinska University Hospital
- Ann-Marie Wennberg Larkö Steering Committee
 Professor at University of Gothenburg, Hospital Director at Sahlgrenska

Professor at University of Gothenburg, Hospital Director at Sahlgrenska University Hospital

Daniel Lundqvist – Chair Steering Committee

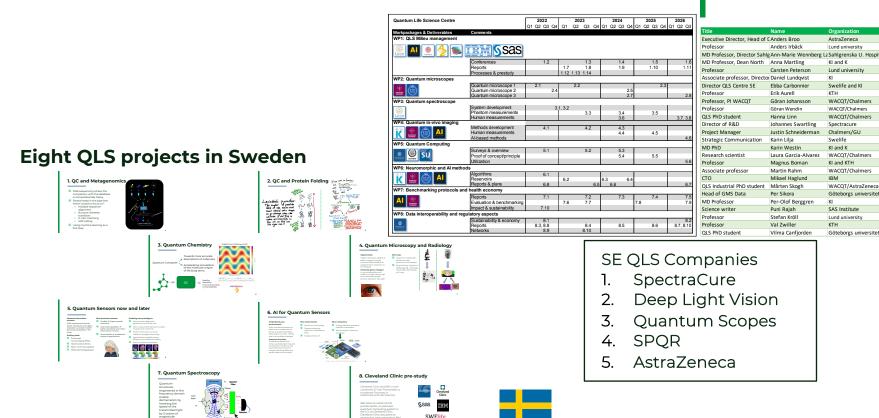
Associate Professor and Director of Centre for Imaging Research (CIR) at Karolinska Institutet

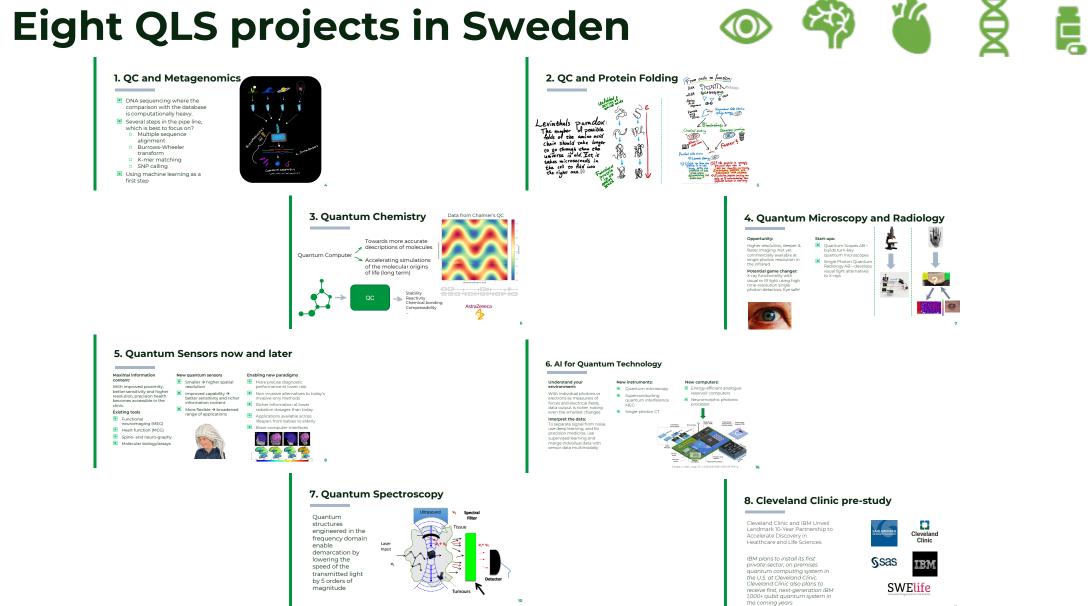
- Göran Johansson Steering Committee
 Professor at Chalmers, PI at Wallenberg Center for Quantum Technology
- Magnus Boman Steering Committee
 Professor at KTH, Al@KI Consultant at Karolinska Institutet

Ebba Carbonnier - Director, Swedish Quantum Life Science Centre



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Thank you from the Swedish QLS Centre!

Title	Name	Organization
Executive Director, Head of D	Anders Broo	AstraZeneca
Professor	Anders Irbäck	Lund university
MD Professor, Director Sahlg	Ann-Marie Wennberg La	Sahlgrenska U. Hospit
MD Professor, Dean North	Anna Martling	KI and K
Professor	Carsten Peterson	Lund university
Associate professor, Director	Daniel Lundqvist	KI
Director QLS Centre SE	Ebba Carbonnier	Swelife and KI
Professor	Erik Aurell	КТН
Professor, PI WACQT	Göran Johansson	WACQT/Chalmers
Professor	Göran Wendin	WACQT/Chalmers
QLS PhD student	Hanna Linn	WACQT/Chalmers
Director of R&D	Johannes Swartling	Spectracure
Project Manager	Justin Schneiderman	Chalmers/GU
Strategic Communication	Karin Lilja	Swelife
MD PhD	Karin Westin	KI and K
Research scientist	Laura Garcia-Alvarez	WACQT/Chalmers
Professor	Magnus Boman	KI and KTH
Associate professor	Martin Rahm	WACQT/Chalmers
СТО	Mikael Haglund	IBM
QLS Industrial PhD student	Mårten Skogh	WACQT/AstraZeneca
Head of GMS Data	Per Sikora	Göteborgs universitet,
MD Professor	Per-Olof Berggren	KI
Science writer	Puni Rajah	SAS Institute
Professor	Stefan Kröll	Lund university
Professor	Val Zwiller	КТН
QLS PhD student	Vilma Canfjorden	Göteborgs universitet



CHALMERS

WACQT Wallenberg Centre for Quantum Technology



AstraZeneca

KAROLINSKA



GÖTEBORGS UNIVERSITET SAHLGRENSKA UNIVERSITETSSJUKHUSET

Karolinska Institutet



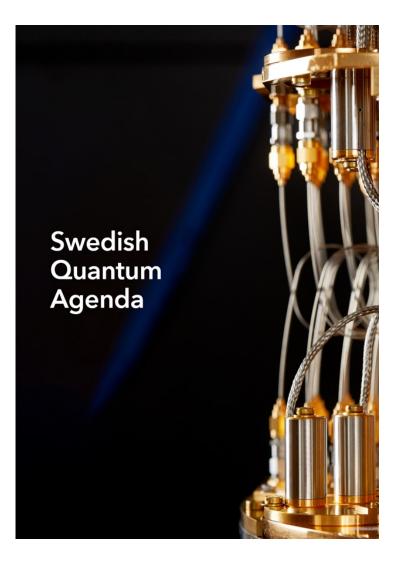




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SWElife



VINNOVA WACQT Wallenberg Centre for Quantum Technology

