

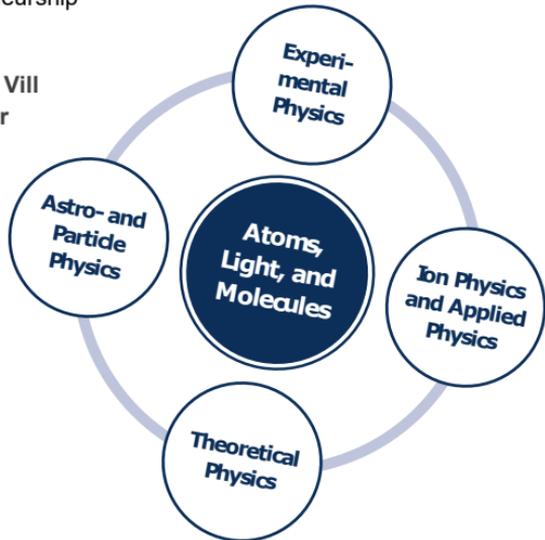
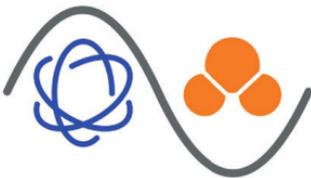


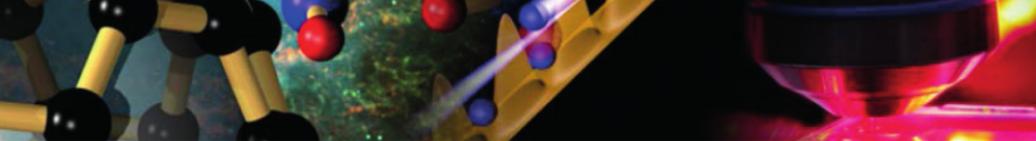
FWF Doctoral Programmes Atoms, Light, and Molecules

Science Day 2022

Transfer from research to industry
or how to start successfully in entrepreneurship

March 4th, 8:30 - 16.30 Grillhof, Vill
Higher Education and Seminar Center
Tyrol, Austria





The Doctoral Programme (Doktoratskolleg) Atoms, Light, and Molecules, DK-ALM is a collaborative programme that provides a research and training environment for excellent national and international PhD students.

In coordination with the regular university teaching the DK-ALM offers training in generic and transferable skills. The annual science days are part of these complemented courses.

Programme

Friday, March 3rd

08:00 - 08:30	Arrival
08:30 - 10:00	Robert Schimpf, InnCubator, talk & discussion
10:00 - 10:15	Coffee
10:15 - 11:45	Thomas Monz, AQT, talk & discussion
11:45 - 12:30	Seeker - The Universe in a Card Game
12:30 - 13:30	Lunch
13:30 - 14:30	3 DK ALM Alumni, talks & discussions
14:30 - 15:30	Postersession 1
15:30 - 16:30	Postersession 2



Thomas Monz
Alpine Quantum Technologies
CEO and Founder



Lorenz Ballauf
ALUMNI (Scheier)
Mattro GmbH
Battery systems and
electronics engineer



David Sauerwein
ALUMNI (Kraus)
AWS
Data Scientist



Poulsen Nautrup
ALUMNI (Briegel)
Developer of "Seeker"

Robert Schimpf
Incubator
Innovationzentrum
Universität Innsbruck
Wirtschaftskammer Tirol
Leitung



Davide Orsucci
ALUMNI (Briegel)
German Aerospace Center
Research and support
QKD technologies



Lea Trenkwaller
PhD student (Briegel)
Developer of "Seeker"





Robert Schimpf
Inncubator
Innovationzentrum
Universität Innsbruck
Wirtschaftskammer Tirol
Leitung



In his talk Robert will introduce you to the InnCubator. He will talk about the vision, the services and the entrepreneurial ecosystem in tyrol. By showing you the latest methods, Robert will give you a hint how you could approach the journey of becoming/being an entrepreneur. This includes customer centricity, validated learning, lean startup and the problem solution fit. The talk will function as a basis for a discussion and Q&A for all your questions concerning startups and entrepreneurship.

About InnCubator

The InnCubator is the entrepreneurship center of the Innsbruck University. It offers students and start-up interested people room for trial and error experiences. The InnCubator further fosters lean innovation initiatives apart from established structures with the guidance and support of experts from the University of Innsbruck and Tyrol's Chamber of Commerce. It offers a wide range of services to talented founders, who want to build enduring companies. The core of the InnCubator service portfolio is the so-called INNC-program: a six month coaching program with a structured curriculum, which helps aspiring entrepreneurs to form and improve their innovative business ideas and to build successful companies. As part of the INNC-program, the startups receive access to the InnCubator co-working space, to special workshops and trainings, to a growing talentpool of professionals, and to a great network of experts and mentors. An in-house workshop equipped with the latest machines and technologies allows startups to build their first prototypes and to validate their ideas. After completing the program, the startups receive further support as part of the alumni network.



Thomas Monz
Alpine Quantum Technologies
CEO and Founder



From research to a business model with stored ions

For decades, several research groups in Innsbruck as well as other universities have been working with stored ions. The fields of application range from time standards and communication to quantum computers. Only in the last few years the underlying technology has evolved to a point where commercial customers are interested in the solutions and applications. This talk will briefly discuss the history of quantum technologies, markets, and the history of AQT as a spin-off of the University of Innsbruck.

About AQT

The founders of AQT have been the first persons to realize a controlled-NOT gate operation – the building block for general-purpose quantum computers. Since then, ion-trap quantum computers are at the forefront of quantum technology development: from atomic clocks to quantum simulators, to universal quantum computers.

Beyond state-of-the-art applications such as factoring, simulations on high-energy physics or quantum-chemistry, AQT ion-trap technologies offer a clear roadmap to large-scale quantum computers: from scalable ion-trap processors to photonic networks connecting quantum computers.



The Universe in a Card Game

Hendrik Poulsen Nautrup, Lea M. Trenkwalder, Fulvio Flamini

Institute for Theoretical Physics, University of Innsbruck, 6020 Innsbruck, Austria

A good game on science communication should do justice to the constantly evolving world of science and technology. Seeker Chronicles provides an innovative solution to this requirement, by enabling science communication and education through an expandable digital card game. The success of commercial card games is groundbreaking, with millions of active players all over the world. Seeker Chronicles is the first scalable card game built on real knowledge and technology rather than fantasy.

With the support of the University of Innsbruck and University of Vienna, as well as from the DK ALM and the Austrian Science Fund, we have already produced a fully developed, physical prototype of the game. We will present the prototype of 'Seeker Chronicles', which you will get to test for yourself.



Vision. In Seeker Chronicles, cards portray researchers who made an impact on science and technology, as well as key concepts and experiments. Players engage with these cards and develop a natural curiosity and connection.

Contact:

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Der Wissenschaftsfonds.