

## LYNN ELLENBERGER

DR. SC.



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## PERSONAL DETAILS

Date of birth: 13 Oct 1991

## LANGUAGES

German

English

Latin

## EDUCATION

DR. SC. / PHD

ETH Zurich / Zurich / 2021

Focus Biomechanics, youth professional skiers, sports medicine

**Thesis** Towards injury screening and prevention in competitive alpine skiing: Development and evaluation of relevant biomechanical tests, normative reference values and the important role of biological maturation.

MASTER OF SCIENCE

Technical University of Munich / Munich / 2017

Sport Science

Biomechanics

Training & Diagnostic

BACHELOR OF SCIENCE

Technical University of Munich / Munich / 2014

Sport Science

## EXTRA-CURRICULAR ACTIVITIES

MEMBER OF THE  
STANDARDISATION  
COMMITTEES FOR SKI  
EQUIPMENT

Swiss Association for  
Standardization (SNV)  
Apr 2023 - Present

## LINKS

[Scientific Publications](#)

Protecting people from serious accidents is a crucial work that never ends. As a passionate accident prevention researcher, I specialise in handling scientific content with the aim to derive practical implications. Through project leads, I am experienced in breaking down complex information for specific target groups and enjoy communicating it to decision-makers. I'm enthusiastic about applying my problem-solving abilities and excitement for snow sports to contribute to the FIS AHU team.

## WORK EXPERIENCE

Swiss Council for  
Accident  
Prevention, BFU  
Oct 2020 - Present  
Bern

## RESEARCHER IN ACCIDENT PREVENTION

Biomechanical aspects of accident prevention

## Projects leads

- Ski binding safety and concepts
- Infrastructure standards for terrain parks, ski slopes and mountainbike facilities
- Accident risk analysis through motion data
- Shock-absorbing materials (ski area padding, protectors, helmets)
- Statistics of fatal sports accidents in Switzerland
- Member of the expert group on data and statistics

ETH Zurich &  
Balgrist University  
Hospital

Oct 2017 - Oct  
2020  
Zurich

## DOCTORAL RESEARCHER

Sports Medical Research Group & Institute for Biomechanics

**Project ISPA** – Injury screening and prevention in alpine skiing. The overall goal of the research project was a sustainable reduction of traumatic injuries and overuse injuries in youth alpine skiers and thus contribute to the development of future top athletes.

ETH Zurich,  
Institute for  
Biomechanics

Jun 2016 - Oct  
2017  
Zurich

## RESEARCH ASSOCIATE

**Project** Outcome studies after total knee arthroplasty by means of a moving fluoroscope. Recording, processing and evaluation of kinematic and kinetic motion data as well as 2D/3D matching of x-ray and CAD implant data. Technical responsible of the movement analysis lab.

TU Munich &  
Olympic Training  
Centre Bavaria

Apr 2014 - May  
2016  
Munich

## RESEARCH ASSISTANT

Planning, execution and evaluation of standardised performance diagnostics for various sports groups as a cooperation point between the department of biomechanics and the olympic training centre.

Campus Sport  
Tirol Innsbruck  
Olympiazentrum

Aug 2013 - Mar  
2014  
Innsbruck

## RESEARCH INTERN

Support for performance diagnostics in alpine skiing and ski cross. Assessment of motor skills and studies of the relative age effect in youth skiers.

## SKILLS

- Solution-orientation
- Analytical thinking
- Adaptability
- Communication
- Technical expertise (hardware and software)
- Independent working as part of a team

## HOBBIES

- Wintersports
- Sketching & Design
- Mountainbiking
- E-Guitar / Band