

# Jonas Marx

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Germany

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Born: 30.07.2000 in Jena; Germany

## Education

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**MSc. Study Course; Friedrich-Schiller-University Jena /  
Business Administration for Engineers and Scientists** Jena, Germany  
10/2025-present

**PhD Candidate; Friedrich-Schiller-University Jena /  
Biochemistry** Jena, Germany  
10/25-present

**Working title:** “Decrypting the cellular response to genetic and pharmacological perturbations via high-dimensional phospho-proteomics”

**Supervisor:** Jun-Prof. Dr. Florian Meier-Rosar

**MSc. Study Course; Friedrich-Schiller-University Jena /  
Molecular Medicine** Jena, Germany  
10/2022-09/2025

**Thesis:** “Phosphoproteomics of the beta-2 adrenergic receptor and downstream signaling pathways”

**Supervisor:** Jun-Prof. Dr. Florian Meier-Rosar

**BSc. Study Course; Friedrich-Schiller-University Jena /  
Biochemistry/Molecular Biology** Jena, Germany  
10/2019-09/2022

**Thesis:** „Subcellular localization of Sirt7 and NPM1 in dependence of oncogenic FLT3-ITD“

**Supervisor:** Apl. Prof. Dr. Jörg Müller

**Abitur; Esther-Bejarano-School** Leeste, Germany  
Gymnasium – G8 08/2011–07/2019

**Elementary Lahausen** Lahausen, Germany  
08/2007–07/2011

## Work experience

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**University Hospital Jena, PhD Researcher**  
**Focus:** Proteomics and cell culture  
**Supervisor:** Jun-Prof. Dr. Florian Meier-Rosar

Jena, Germany  
10/2025-present

**University Hospital Jena, Research Assistant**  
**Focus:** Bioinformatics  
**Supervisor:** Prof. Dr. Rainer König

Jena, Germany  
07/2023-12/2023

## Skills

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**Languages:** German (native language), English (B2)

**Programming languages:** R (Shiny), Python (Streamlit)

**Systems / DevOps:** Linux server administration (users/permissions, services, monitoring, backups), SSH, basic networking

## Publications

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Keogh FD, **Marx J**, Hiemisch A, Koenig R. *Slimformer: An NLP-based web server for semantic categorization of gene sets*. **Computational and Structural Biotechnology Journal**. 2025;27:5252–5262. doi:10.1016/j.csbj.2025.11.035.