



Benjamin Dose

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WORK EXPERIENCE

COO and Co-Founder

TimeTeller GmbH [23/03/2023 – Current]

City: Hamburg | Country: Germany

Link: <https://www.time-teller.eu/>

• Operational Management:

- Oversee and optimize the company's operational processes and workflows to ensure efficiency and productivity.
- Implement systems and procedures to streamline operations and improve organizational effectiveness.
- Monitor key performance indicators (KPIs) to track operational performance and identify areas for improvement.

• Strategic Planning and Execution:

- Collaborate with the CEO and other senior leaders to develop and execute the company's strategic plan and business objectives.
- Translate strategic goals into actionable plans and initiatives, ensuring alignment with the company's mission and vision.
- Monitor industry trends and market developments to identify opportunities for growth and expansion.

• Financial Management:

- Work closely with the finance team to develop and manage the company's budget and financial forecasts.
- Monitor financial performance against budget and KPIs, identifying variances and implementing corrective actions as needed.
- Manage cash flow, investments, and other financial resources to support the company's growth and sustainability.

• Risk Management and Compliance:

- Identify potential risks and vulnerabilities to the company's operations and develop strategies to mitigate them.
- Ensure compliance with relevant laws, regulations, and industry standards, including data privacy, safety, and quality standards.
- Implement risk management processes and controls to protect the company's assets and reputation.

Senior Consultant for Market Access and Regulatory Affairs

Kalms Consulting GmbH [01/09/2021 – Current]

City: Hamburg | Country: Germany

Link: <https://www.kalmsconsulting.com/>

Expertise in Market Access:

- Conducted in-depth analyses of the healthcare market, particularly focusing on the German healthcare market.
- Evaluated innovative medical devices to assess their potential for market entry.
- Developed strategies for entering the German healthcare market, considering factors such as medical guidelines, state-of-the-art medical needs, and evidence requirements.
- Devised step-by-step market access strategies to facilitate successful market entry.
- Evaluated and implemented market access initiatives, ensuring alignment with regulatory requirements and strategic objectives.

Expertise in Regulatory Affairs:

- Demonstrated proficiency in a wide spectrum of regulatory activities.

- Developed regulatory strategies from inception, considering implications for market access.
- Conducted focused gap analyses, comparing regulatory requirements such as FDA to MDR/IVDR requirements.
- Executed regulatory strategies to achieve compliance with IVDR/MDR requirements.
- Prepared IVDR/MDR compliant Quality Management Systems (QMS) and Technical Documentation (TD), including clinical evaluation documents for conformity assessment.

Cross-Thematic Expertise:

- Recognized the interdependence between market access and regulatory activities.
- Leveraged expertise in both fields to understand the implications of strategic decisions.
- Ensured alignment between regulatory strategies and market access initiatives to maximize success in the healthcare market.

Biochemistry Researcher

Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie e. V. Hans-Knöll-Institut [01/06/2021 – 30/08/2021]

City: Jena | Country: Germany

Soft skills acquired during PhD and Senior Scientist positions:

- **Adaptability:** Demonstrated ability to pivot research focus, methodologies, and techniques in response to new challenges and opportunities.
- **Problem-solving:** Proficient in identifying, analyzing, and solving complex problems using critical thinking and creativity.
- **Project management:** Skillful planning, organization, and execution of research projects from conception to completion, including resource allocation and budget management
- **Strong communication skills:** Effectively conveying complex ideas to diverse audiences through presentations, publications, and discussions.
- **Critical thinking:** Evaluating scientific literature, experimental results, and methodologies with a discerning and analytical mindset.
- **Leadership:** Experience in supervising and mentoring junior researchers, guiding projects, and fostering a productive research environment.

Research focussed on

- Isolation and structural elucidation of active substances from bacteria and fungi
- Investigation of biosynthetic pathways of microbial secondary metabolism
- Manipulation of biosynthetic pathways for the production of new bioactive natural products
- Use of biological and chemical methods for drug derivatisation
- Study of the molecular basis of microbial interactions
- Link: <https://www.leibniz-hki.de/de/biomolekulare-chemie.html>

EDUCATION AND TRAINING

PhD in Biochemistry

Friedrich-Schiller University [01/04/2016 – 30/06/2021]

City: Jena | Country: Germany | Website: <https://www.uni-jena.de/> | Field(s) of study: Biochemistry | Final grade: very good with honours (summa cum laude) | Thesis: Genome Mining von Burkholderien aus verschiedenen Habitaten

ERASMUS - Research Internship

University of Cambridge, UK [01/09/2014 – 31/03/2015]

City: Cambridge | Country: United Kingdom | Website: <https://www.cam.ac.uk>

Master of Molecular Life Sciences

Friedrich-Schiller University [01/07/2013 – 31/01/2016]

City: Jena | Country: Germany | Website: <https://www.uni-jena.de/>

Bachelor of Molecular Life Sciences

University of Hamburg [01/07/2010 – 31/07/2013]

City: Hamburg | Country: Germany | Website: <https://www.uni-hamburg.de>

HONOURS AND AWARDS

Startup Germany Summit 2024 (TimeTeller GmbH) 17.09.2024

Start-up Competition (top 16, German-wide by the Federal Ministry of Economics (Bundesministerium für Wirtschaft und Klimaschutz), tickets for international start-up fairs and memberships in start-up organisations

[21/02/2024]

start2grow 2024 (TimeTeller GmbH) Start-up Competition (top 10, German-wide by the Wirtschaftsförderung Dortmund), 2.000 € for mentoring and coaching

[16/12/2023]

WLounge Tech Awards 2023 (TimeTeller GmbH) Rising Star (1st prize, Europe-wide), coaching and expert seminars

[23/11/2023]

Health Innovation Award 2023 (TimeTeller GmbH) Health Innovation Port, Hamburg, Germany (1st prize, German-wide), annual membership and complementary usage of work space

[20/11/2023]

Founders Prize+ 2023 (TimeTeller GmbH) Start-up Competition (Digital Innovations), Federal Ministry for Economic Affairs and Climate Protection, Germany (1st prize, German-wide), coaching and 32.000 € prize money

[06/07/2023]

Final Female StartAperitivo 2023 (TimeTeller GmbH) Female Start-up Competition (finals), Germany (1st prize, German-wide), 100.000 € voucher for IT-ressources by TechBoost (Telekom), 5.000 € price money and coaching

[14/06/2023]

Semi-Final - Female StartAperitivo 2023 (TimeTeller GmbH) Female Start-up Competition (semi-final), Germany (1st prize, region Hamburg), 500 € price money and coaching

Medac GmbH

Medac Research Prize 2022

- Award for most impactful publication in 2022: "Mining symbionts of a spider-transmitted fungus illuminates uncharted biosynthetic pathways to cytotoxic benzolactones. Angew. Chem. Int. Ed. 59(20), 7766-7771." by Medac GmbH.

Medac GmbH

Medac Research Prize 2021 Award for most impactful publication in 2021: "Bacterial endosymbionts protect beneficial soil fungus from nematode attack. Proc Natl Acad Sci U S A 118(37), e2110669118." by Medac GmbH.

[01/09/2010] Studienstiftung des Deutschen Volkes

Admission to the German National Academic Foundation/ Studienstiftung des Deutschen Volkes

- Elected scholarship holder of the German National Academic Foundation, funding during the Bachelor and Master programmes (2010-2026)

FINANCING

WomenTechEU

2024 - 2025

TimeTeller GmbH is a beneficiary of the WomenTechEU program supporting women leading deep tech startup companies from Europe with 75.000 € equity-free funding and a personalised business development programme.

[2023 - 2024]

InnoRampUp

Funding for TimeTeller GmbH by the Hamburg Investment and Funding Bank (Hamburgische Investitions- und Förderbank (IFB Hamburg))

Project Title: TimeTeller: Scaling and optimisation of a non-invasive product for the characterisation and monitoring of circadian rhythms (150.000 €)

PUBLICATIONS

[2023]
TimeTeller for timing health: The potential of circadian medicine to improve performance, prevent disease and optimize treatment.

Dose B, Yalçın M, Dries SPM, Relógio A. (2023) Front Digit Health 5, 1157654.

[2023]
Analysis of rhizonin biosynthesis reveals origin of pharmacophoric furylalanine moieties in diverse cyclopeptides.

Ehinger F, Niehs S, Dose B, et al. (2023) Angew Chem Int Ed Engl 62(42), e202308540.

[2023]
Bacterial isothiocyanate biosynthesis by Rhodanese-catalyzed sulfur transfer onto Isonitriles.

Mlotek MD, Dose B, Hertweck C (2023) Chembiochem 25(3), e202300732.

[2022]
A highly conserved gene locus in endofungal bacteria codes for the biosynthesis of symbiosis-specific cyclopeptides.

Niehs S, Scherlach K, Dose B, Uzum Z, Stinear T, Pidot S, Hertweck C (2022) PNAS nexus 1(4), 152.

[2021]
Bacterial endosymbionts protect beneficial soil fungus from nematode attack.

Büttner H*, et al. (2021) Proc Natl Acad Sci U S A 118(37), e2110669118.

[2021]
Biosynthesis of sinapigliadioside, an antifungal isothiocyanate from Burkholderia symbionts.

Dose B, et al. (2021) Chembiochem 22(11), 1920-1924.

[2021]
Multimodal molecular imaging and identification of bacterial toxins causing mushroom soft rot and cavity disease.

Dose B, Thongkongkaew T, Zopf D, et al. (2021) Chembiochem 22(19), 2901-2907.

[2020]
Food-poisoning bacteria employ a citrate synthase and a type II NRPS to synthesize bolaamphiphilic lipopeptide antibiotics.

Dose B et al. (2020) Angew Chem Int Ed 59(48), 21535-21540.

[2020]
Mining symbionts of spider-transmitted fungus illuminates uncharted biosynthetic pathways to cytotoxic benzolactones.

Niehs SP, Dose B et al. (2020) Angew Chem Int Ed 59(20), 7766-7771.

[2020]

Insect-associated bacteria assemble the antifungal butenolide gladiofungin by non-canonical polyketide chain termination.

Niehs SP, Kumpfmüller J, Dose B et al. (2020) Angew Chem Int Ed 59(51), 23122-23126.

[2019]

Genomics-driven discovery of NO-donating diazeniumdiolate siderophores in diverse plant-associated bacteria.

Hermenau R, Mehl JL, Ishida K, Dose B et al. (2019) Angew Chem Int Ed 58(37), 13024-13029.

[2019]

Genome mining reveals endopyrroles from a nonribosomal peptide assembly line triggered in fungal-bacterial symbiosis.

Niehs SP, Dose B et al. (2019) ACS Chem Biol 14(8), 1811-1818.

[2018]

Unexpected bacterial origin of the antibiotic icosalide: Two-tailed depsipeptide assembly in multifarious Burkholderia symbionts.

Dose B, et al. (2018) ACS Chem Biol 13(9), 2414-2420.

[2018]

Genomics-driven discovery of a symbiont-specific cyclopeptide from bacteria residing in the rice seedling blight fungus.

Niehs SP, Dose B, Scherlach K, Roth M, Hertweck C (2018) ChemBioChem 19(20), 2167-2172.