
PROFESSIONAL SUMMARY

R&D Consultant with deep experience in NZ R&D funding and hands-on scientific and technological research.
Expertise in RDTI legislation, eligibility criteria, and assessment methodology, helping organisations and advisors navigate the technical side of R&D funding.

Known for strengthening R&D funding strategies, improving application quality, and resolving complex eligibility challenges while working with technology and scientific organisations and professional advisors. Highly instrumental in collaborating with founders, CTOs, CFOs, accountants, and R&D advisors while maximising the strategic value of R&D funding. Well-versed in enabling organisations to build robust internal capability around R&D funding while maintaining compliance with programme rules. Proven track record of developing specialised tools and workshop frameworks designed to make RDTI preparation more structured, efficient, and evidence-driven. Excel at nurturing relationships, coordinating with cross-functional teams, and mitigating risks.

SKILLS & PROFICIENCIES

R&D Tax Incentive (RDTI) advisory	Strategic R&D planning & structuring	Innovation programme advisory
Systematic R&D Experimentation	Cross-agency regulatory alignment	Workshop design & facilitation
R&D application development	Government funding compliance	R&D eligibility assessment
Technical narrative writing		Technical due diligence
		R&D funding strategy

SELECTED ACHIEVEMENTS

- Offered expert insights into programme requirements, application weaknesses, and best-practice approaches for successful submissions, **leveraging extensive experience reviewing ~1K R&D funding applications.**
- Led the ideation, design, and delivery of a DOA's laboratory information management software system adopted across 12 countries by military, hospitals, and prisons, **generating an estimated €2M in revenue from over 100 installations and ongoing support.**
- **Enabled Miracor Medical Systems to secure \$30M in funding** by analysing animal trial data and redesigning the device algorithm, performing R&D data science consulting for a cardiac medical device.
- Spearheaded multiple innovation-focused projects for Callaghan Innovation, introducing concepts such as mixed-model AI systems and **yielding NZD 350K-450K in commercial income.**
- **Led advanced analytics projects exploring novel cancer diagnostic approaches**, applying exhaustive search methods and phylogenetic analysis to develop alternative diagnostic modelling techniques.

EMPLOYMENT & EXPERIENCE

Neumayr Ltd, Wellington, New Zealand

Nov 2025 - Present

Neumayr Ltd is a consultancy business providing advice on R&D funding, including RDTI and other NZ government funding.

Founder & Principal R&D Consultant

- **R&D funding advisory services:** Assess eligibility under NZ R&D funding programmes (including the RDTI) and guide organisations through application preparation, technical narratives, and compliance processes.
- **R&D funding advisory services:** Deliver specialised R&D funding advisory services to various businesses undertaking research and innovation across sectors, including software, data, AI, biology, and manufacturing.

- **RDTI claims support:** Lead workshops and prepare technical documentation to facilitate RDTI claims for businesses and Approved Research Providers (ARPs), including complex and challenging cases.
- **Specialist advisory support:** Focus on providing specialist advisory support to other R&D funding professionals and consultancies, enabling individuals to address complex eligibility challenges.
- **Capacity building:** Design and deliver training sessions and workshops for businesses and R&D funding professionals to improve understanding of funding rules, strengthen application quality, and increase the success rate of R&D claims.

Callaghan Innovation, Wellington, New Zealand

Jun 2015 - Oct 2025

Callaghan Innovation was New Zealand's former government innovation agency, based in Wellington, dedicated to fostering business growth through research and development (R&D), expert mentorship, and commercialisation support.

R&D Specialist - Tax Incentive

Apr 2020 - Oct 2025

- **RDTI application evaluation:** Complied with legislative requirements to evaluate R&D Tax Incentive (RDTI) applications for eligibility while analysing scientific/technological uncertainty and the required systematic approach.
- **Legal compliance:** Produced evidence-based eligibility recommendations by assessing technical project descriptions, business contexts, and expenditure claims in line with the Income Tax Act 2007 and Tax Administration Act 1994.
- **Cross-functional collaboration:** Addressed complex technical matters and enhanced applications in collaboration with business leaders, R&D teams, and tax advisors while ensuring accurate interpretation of the RDTI framework.
- **Assessment methodology:** Refined assessment methodologies and guidance material in coordination with Inland Revenue, Customer Engagement team, and other R&D Specialists.
- **Operational framework development:** Played a foundational role in structuring the operational framework for the RDTI programme from inception.
- **R&D assessment leadership:** Served as a first assessor with a digital/software background while contributing to shaping processes for assessing technology-focused R&D claims.
- **Guidelines development:** Co-led and co-authored the digital technology sector RDTI guidelines, leading early project coordination between Callaghan Innovation and Inland Revenue.
- **Stakeholder engagement:** Engaged external technical experts to improve the quality and relevance of guidelines, enabling a joint publication across all three RDTI agencies.
- **Cross-agency alignment:** Provided specialist digital/software sector and scientific expertise to resolve complex edge cases and enhance consistency across the R&D funding ecosystem, supporting initiatives between Callaghan Innovation, Inland Revenue, and MBIE.
- **RDTI application assessment:** Enabled hundreds of NZ R&D businesses in strengthening applicable submissions and understanding programme requirements while assessing 1K+ RDTI applications.
- **R&D incentive programme impact:** Contributed to \$7B+ in R&D supported by the scheme by assessing and recommending approval on hundreds of millions of dollars in R&D funding.

Senior Data Scientist

Jun 2015 - Jul 2020

- **Advanced data science:** Led advanced data science and artificial intelligence research in optimisation and hyper-heuristics while securing research funding.
- **Genetic programming:** Leveraged Python and algorithmic methods to develop genetic programming applications for stock market prediction, neural network architecture optimisation, and metamaterials modelling.
- **AI-based sales forecasting and NLP application:** Realised ~80% prediction accuracy from email data by developing an AI application for sales forecasting and natural language processing.
- **Machine learning training:** Designed and delivered a three-day machine learning workshop for 20 engineers and scientists of New Zealand's Aluminium Smelter (NZAS), strengthening applied machine learning capability.
- **Analytical modelling:** Created analytical models and nurtured client relationships to support product innovation while leading oversight and planning for a new product development project for Globex Engineering.

- **Data engineering prototype:** Delivered a data engineering prototype to enhance information and communication technology systems for Rinnai, working with internal teams and external specialists.
- **Predictive maintenance algorithm:** Improved cost efficiency for Pharos by tailoring a predictive maintenance algorithm using deep learning (Keras and TensorFlow), optimising the ordering of printer supplies.
- **Data management:** Managed large genomics datasets and contributed to successful project funding acquisition for ESR. Led development of an optimisation algorithm for PCR primer design, leveraging next-generation sequencing and RNA coverage data.
- **Rule-based AI framework:** Designed and formulated a rule-based artificial intelligence framework and prototype system for IXOM while managing subcontractors and drafting technical reports.
- **Cancer diagnostic algorithm development:** Created a cancer diagnostic algorithm for Caldera Health while contributing to a patented diagnostic concept and guiding multidisciplinary teams in advanced data analysis.

PRIOR WORK EXPERIENCE

Research Scientist - Data & Computational Science Callaghan Innovation, Wellington, NZ	Oct 2013 - Jun 2015
Postdoctoral Research Fellow Industrial Research Ltd, Lower Hutt	Dec 2011 - Oct 2013
Software Engineer & Data Scientist Miracor Medical Systems GmbH	Aug 2010 - Sep 2011
PhD Student - Teaching/Research Assistant University of Vienna	Mar 2006 - Aug 2010
Software Engineer SAIL LABS Technology GmbH	Aug 2006 - May 2007
Bioinformatics Software Developer Biovertis AG	Oct 2004 - Feb 2006
Software Developer DOA Consulting	Feb 2002 - Apr 2004

EDUCATION

Dr. rer. nat., Computational Science/Molecular Dynamics (2010)
University of Vienna

Mag. rer. nat., Bioinformatics/Genetics & Microbiology (2006)
University of Vienna

LANGUAGES & TECHNICAL SKILLS

Languages: German (Native) | English (Fluent) | Italian (Basic)

Skills: Python | C/C++ | Java | JavaScript | Oracle | SQL | NoSQL | Keras | TensorFlow | Theano | Containers | Parallel Computing | Cloud Computing | Serverless | APIs | Machine Learning

References Available Upon Request