



# GREG TYRELLE

BIOINFORMATICS TERRITORY SPECIALIST

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Commercially oriented bioinformatician with a wide range of experience in genomics data analysis. Ranging from small bacterial de novo genome assembly, to full scale whole human genome analysis and interpretation. Working closely with sales, I have a deep understand of how NGS technologies are being employed in markets such as academia, pathology/oncology, pharma, clinical and agribio. I specialize in taking complex bioinformatics analysis workflows, methods and statistical approaches and distilling these to their core concepts to communicate with customers.

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## Experience

THERMO FISHER

### Application Territory Specialist, Bioinformatics

July 2019 - Present

I moved to the Application Territory Specialist team as the group's bioinformatics subject matter expert in 2019. I continue to support early access programs, now with a focus on Reproductive Health and Expanded Carrier Screening. Developing and supporting sequencing approaches to detecting SARS-CoV-2 on the Genexus instrument has been a major effort since March 2020.

- Developed internal training courses on Bioinformatics for the Field Application Science Team
- Supported early access for the OncoPrint Comprehensive assay Plus and Genexus Sequencing instrument
- Supported early access for the Amplicon SARS-CoV-2 panel with key public health institutes in Europe
- Developed national database integration for pathology customers in the Netherlands
- Consulting on custom (White Glove) Amplicon Panel designs and analysis

THERMO FISHER

### Field Bioinformatics Scientist (Territory Specialist)

October 2014 - June 2019

As the Territory Specialist in the Field Bioinformatics team, I manage technical support for key accounts on the Ion Torrent platform, early access technology programs, and escalations. Domains include AgriBio, Oncology Infectious Diseases.

I also act as manager and developer for Professional Services projects on the Ion Torrent Platform. Building accurate Statement of Work documents with clients for projects and defining deliverables.

- Developed automated data analysis pipelines and backend integration for AgriBio customers
- Bioinformatics support lead in EMEA for Ion Torrent early access technology programs in Oncology
- Consulting on novel Amplicon application development

THERMO FISHER

### Senior Field Bioinformatics Scientist

2012 - 2014

Pre and post sales support for SOLiD and Ion platforms, Professional Services (data analysis) and training.

- Project manager and data analyst for whole human genome population study
- Customer training and optimization of diagnostic gene panels in clinical setting
- Study design and data analysis for key customer exome data platform comparison

COMPLETE GENOMICS Senior Field Application Scientist

2011 - 2012 Pre and post sales support for whole human genome data sets, both cancer and germline.

- On-site customer data deliverables training
- Assisted customers to solve rare disease cases with genome sequencing

DNAGE B.V. Senior Bioinformatics Scientist

2009 - 2011 Bioinformatics R&D role in small Dutch startup working aging interventions

- Analyzed microarray data to support orphan drug clinical trial
- Integrated data across different omics technologies to provide key insights into accelerated aging

PHALANX BIOTECH GROUP Bioinformatics Manager

2006 - 2009 Managed a team of bioinformaticians doing R&D on microarray design and annotation:

- Built customized human and mouse microarray annotation pipeline
- Designed and implemented online data delivery service

### Education

UNIVERSITY OF NEW SOUTH WALES PhD Bioinformatics

NSW, Australia  
2000 - 2004  
Developed ontologies and software tools for variant calling and annotation for a custom SBE genotyping array.

### Technical skills

Statistics practical experience	NGS resequencing extensive knowledge	Personalized medicine extensive knowledge
Python programming extensive experience	R/Bioconductor good	NGS Transcriptomics practical experience
De novo assembly good	Clinical NGS good	

### Contact

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