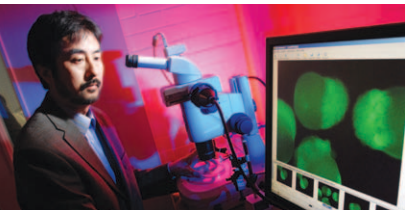
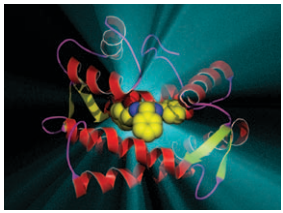
UNIVERSITY OF EXETER

SCHOOL OF BIOSCIENCES

# MSc Bioinformatics
# MSc Medical Informatics

*"My advanced knowledge of public data resources, programming, statistics, machine learning and experience of applied informatics has enabled me to deliver notable success in my work for AstraZeneca's Cancer Genetics Research Group."*
**Jonathan Dry, MSc Bioinformatics**

**www.exeter.ac.uk/biosciences/postgraduate/taught**


# MSc Bioinformatics and MSc Medical Informatics

- Encompass all aspects of biological information acquisition, processing, storage, distribution, analysis and interpretation
- Suitable for graduates from a broad range of disciplines, including biology, computer sciences, medicine, chemistry and chemical engineering
- Provide an insight into bioinformatic specialisms including: genomics (exploration of genome organisation); transcriptomics (study of messenger RNA molecules); proteomics (examination of cell proteins); and metabolomics (study of the chemical dynamics of the cell)
- Offer the opportunity to specialise in Medical Informatics and/or take an industrial placement
- Taught by leading international researchers who regularly publish in peer-reviewed journals
- Offer access to excellent facilities with £25 million investment in state-of-the-art laboratories and platform technologies
- MRes, Postgraduate Certificate and Postgraduate Diploma Bioinformatics available

*Modules include*:*

- Introduction to Molecular Biology
- Biological Sequence Analysis and Structural Bioinformatics
- Genomics, Transcriptomics, Proteomics
- Professional Skills
- Bioinformatics Tools and Techniques
- Research Methods in Bioinformatics
- Research Project in Bioinformatics (may be undertaken with an external medical or industrial partner)
- Machine Learning Techniques and Information Systems for Bioinformatics
- Quantitative Research Methods in Health

**Modules are subject to change; please check website for details.*

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FOR FURTHER INFORMATION CONTACT:
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**www.exeter.ac.uk/biosciences/postgraduate/taught**