



**Exponent<sup>®</sup>**  
Engineering & Scientific Consulting

## Jason Manton

Principal Scientist | Chemical Regulation and Food Safety  
Harrogate  
+44 (0) 1423 878963 | [jmanton@exponent.com](mailto:jmanton@exponent.com)

### Professional Profile

Jason is a Board Certified (DABT) and EU Registered Toxicologist (ERT). He has 17 years' experience working in Consultancy, Industry and Contract Research settings with a particular focus on Developmental and Reproductive Toxicology (DART).

Since graduating from Cardiff Metropolitan University (formerly University of Wales Institute Cardiff) with a degree in Science in Health, Exercise and Sport in 2004, Jason was employed as a Toxicologist/Study Director at Sequani Limited for nearly 8 years, as a Technical Expert/DART Study Manager within the Toxicology and Health Science Platform at Syngenta Limited for approximately 6 years and latterly as a Senior and Principal Toxicologist at Penman Consulting for 4 years.

He is the past-Chair of the UK IRDG (Industrial Reprotoxicity Discussion Group) and also an active member of the British Toxicology Society ETCD (Education Training and Career Development) Sub-Committee. He is currently the Vice-President of the European Teratology Society (ETS), and also a member of the Society of Toxicology, Teratology Society and the Royal Society of Biology. He is also an editorial board member of the Reproductive Toxicology journal and on the ETS/HESI Taskforce for Thyroid Hormones and ETS taskforce for Rabbit GI Tract Toxicity. In addition, he's currently providing input to 8 HESI DART Committees for various areas in DART. His specific expertise is in the following disciplines :- General Toxicology, QSAR, Read-Across, Carcinogenicity, Endocrine Disruption, REACH, PPP, Developmental and Reproduction Toxicology (DART), EOGRTS, Juvenile Toxicology (Rodent and Non-Rodent Models) and Neuro-Behavioural Assessments.

He's conducted and managed an extensive number of non-clinical toxicity studies across multiple toxicology disciplines (DART, Juvenile Toxicology, General Toxicology, Carcinogenicity, Genotoxicity and Acute Toxicology) for a variety of indications/uses including Biologicals, Pharmaceuticals, Agrochemicals, and Industrial Chemicals for either Regulatory, Investigative or Mechanistic Toxicology.

### Academic Credentials & Professional Honors

B.Sc., Science in Health, Exercise and Sport, Cardiff Metropolitan University, Wales, 2004

### Prior Experience

Principal Toxicologist, Penman Consulting Limited, 2020-2022

Senior Toxicologist, Penman Consulting Limited, 2018-2020

DART Technical Expert and Study Manager (Toxicology and Health Sciences), Syngenta Limited, 2016-2018

Technical Expert (Toxicology and Health Sciences), Syngenta Limited, 2013-2016

Toxicologist, Sequani Limited, 2007-2012

Associate Toxicologist, Sequani Limited, 2005-2007

## Professional Affiliations

Member, Society of Toxicology

Member, Society for Birth Defects Research and Prevention (formerly the Teratology Society)

Member, Royal Society of Biology

Past-Chair, UK Industrial Reproduction Toxicology Discussion Group

Vice President, European Teratology Society

Member, British Toxicology Society

## Publications

Shi Q., Carrillo J-C., Penman M.G., Manton J., Fioravanzo E., Powrie R.H., Elcombe C.R., Borsboom-Patel T., Tian Y., Shen H., and Boogaard P.J. (2022) Assessment of the Intestinal Absorption of Higher Olefins by the Everted Gut Sac Model in Combination with In Silico New Approach Methodologies Chemical Research in Toxicology; 35 (8), 1383-1392

Manton J.C. (2011), An investigation into behaviour, learning and memory assessments in the juvenile Göttingen minipig treated with haloperidol, d-amphetamine, or scopolamine. Scandinavian Journal of Laboratory Animal Science Vol. 38 No. 4, p.244

Manton J.C. (2010), Preliminary investigation of behaviour, learning and memory assessments in the juvenile Göttingen minipig. Reproductive Toxicology; Vol 30 (2) pp 241; 38th Annual Conference of the European Teratology Society.

## Presentations

Identifying the “DARTable genome” and understanding trigger conditions for Quantitative Adverse Outcome Pathways that are necessary for predictive DART. Poster Presentation, Teratology Society 57th Annual Meeting, Denver, Colorado, 2017.

Embryo-Foetal Development Data Interpretation. Workshop and Oral Presentation, UK IRDG, November 2016.

Sperm Morphology, Computer-Assisted Sperm Analysis (CASA) and Spermatid Counts. Oral Presentation, UK IRDG, May 2016.

Endocrine Disruption and the Thyroid Hormonal System. Possible Mechanisms for Disruption and Testing for Effects on Human Health. Oral Presentation, UK IRDG, November 2013.

Behaviour, Learning and Memory Assessments in the Juvenile Göttingen Minipig. Oral Presentation, UK IRDG, May 2012.

A Histological Investigation into the Organ Development of the Juvenile Götting Minipig and a Correlation with Organ Development in Man and the Rodent. Oral Presentation, European Histopathology Forum, April 2012.

Behaviour, Learning and Memory Assessments in the Juvenile Götting Minipig. Oral Presentation, Minipig Research Forum, Nov 2011.

An investigation into behaviour, learning and memory assessments in the juvenile Götting minipig treated with haloperidol, d-amphetamine, or scopolamine. Poster Presentation: Society of Toxicology 50th Annual Meeting, Washington, USA, March 2011.

Behaviour, Learning and Memory Assessments in the Götting Minipig. Oral Presentation, J&J Juvenile Toxicology Symposium, May 2010.

## Peer Reviews

Reproductive Toxicology Journal