



# BIOMOLECULAR DETECTION AND QUANTIFICATION

The new online, open access, peer-reviewed journal in molecular methodology applications

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Biomolecular Detection and Quantification* (BDQ) is an open access, peer-reviewed international journal dedicated to championing excellence in **molecular study design**, measurement, data analysis and reporting. Its focus is on the application of **qualitative and quantitative molecular methodologies** to all areas of clinical and life sciences. The journal has two main aims: to provide a forum for discussion and recommendation of guidelines designed to improve the accuracy of **molecular measurement**, its data analysis and the transparency of its subsequent reporting; to publish **molecular biology** based studies that adhere to best practice guidelines, both current and future. BDQ was established by a group of scientists based on their experience developing and publishing the Minimum Information for Publication of Quantitative Real-Time (and Digital) PCR Experiments (the MIQE and digital MIQE guidelines). The deliberately broad scope of the journal covers clinical areas such as **cancer, epigenetics, metagenomics, and infectious diseases** as well non clinical subjects including **environmental, microbiology and food science**. BDQ revolves around the common theme of promoting excellence in **molecular measurement** and its data analysis. It will serve as a repository for sharing key findings across what may otherwise be disparate specialties.

BDQ is distinguished by its three highly respected founding editors and **molecular methodology** pioneers Carl Wittwer, Michael W. Pfaffl and Ron Cook, and an international editorial board comprised of experienced scientists with broad expert interest.

BDQ is published quarterly and includes:

original research articles (both methodological and applied) short communications reviews editorials and comments points of view and perspective articles In conjunction to scientific meetings in the field special extra issues can be released.

All submitted manuscripts must present original contributions and contain no data that have been published elsewhere. Please note that BDQ operates with a so-called double blind peer-review policy which means that both the author and the reviewer remain anonymous to each other to avoid reviewer bias.

The journal has an international audience and we particularly welcome submissions from younger scholars and researchers and those from developing countries.

Scope:

Genetics Epigenetics Transcriptomics Proteomics Metabolomics Cancer Infectious diseases/microbiology/virology Diagnostics

**Keywords:** **molecular quantification, molecular diagnostics, standardization, standardization, metrology, dpcr, qpcr, ngs, rnaseq, biomarkers, microbiome, metagenomics, epigenetics, infectious disease**

## AUDIENCE

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Scientists and clinicians (60:40), universities, research institutes, hospital pathology/diagnostics department, corporate R+D government laboratories.

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Areas of Expertise: Technical: qPCR Data Analysis, Biostatistics, Image Analysis, Programming

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Areas of Expertise: Quantitative Real-Time PCR, Microarrays, RNA-sequencing, Single Cell Analysis, Immunohistochemistry, Programming in R and C/C++, Large Data Analysis, Non-Parametric Statistics (Monte Carlo Simulation, Bootstrapping), Curve Fitting

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Areas of Expertise: Gene Expression Profiling, Quantitative Real-Time PCR, Single-Cell Analysis, Single-Cell Biology, Digital PCR, Multivariate Data Analysis, RNA-Seq, Proximity Ligation Assays, Quality Control, Extraction Methods, Liquid Biopsies, Bioinformatics, CHIP, Western Blot, IP, Cell Biology, FACS

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**Ben Temperton**, Plymouth Marine Laboratory, Plymouth, UK

Areas of Expertise: Metagenomics, Metaproteomics, Proteomics

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### INTRODUCTION

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Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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