Precision and Functional Genomics

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Recently, the Editorial Board of Mammalian Genome initiated a wide-ranging review of the scope and publication strategy of the journal. In doing so, the Board along with the Editors-in-Chief had several key aims:

- To develop a clear focus on delivering content, from original articles to reviews, that addresses key, contemporary issues at the forefront of research in mammalian genetics and genomics.
- To ensure that the brand and scope of Mammalian Genome reflect our wish to garner high-quality, insightful, and forward-thinking publications and portray Mammalian Genome as a strong vehicle of research, review, and discussion supporting the mammalian genetics community at these frontiers of research.
- Develop and enhance the journal structure and outreach, as well as new types of journal issues and papers, to ensure that these aims are delivered.

As a consequence of these discussions, we envisage several developments for the journal.

Firstly, we are increasingly interested in research and review that reflects on the challenges of precision biology in genetics and functional genomics that includes areas such as genomic and precision medicine. We published an editorial on this in 2019 stating our interest to receive and consider papers in this area, and this initiative was allied to publication of a special issue on *Precision Medicine* (Brown and Nadeau 2019). As a consequence of this emphasis, we are changing the subtitle of the journal to ***Precision and Functional Genomics***. It is important to stress that Mammalian Genome continues to seek papers from all of the communities who regularly publish in Mammalian Genome—in mouse, rat, and human genetics, farm & domestic animal

genetics communities, using a range of genetic approaches. Precision biology relates just as much to other mammalian species as to human and mouse genetics. Advances in precision medicine in human health have many parallels for the genetics and genomics of other species.

Secondly, we will continue to publish Original Articles, Commentaries, and Reviews (including those in special issues), but we wish to emphasise that shorter reports are welcome that provide impactful findings. This is enhanced by our ability to turn around papers very quickly, allowing all sections of the research community (from student to senior investigator) to publish important findings in a rapid and timely fashion.

Thirdly, we will initiate an annual special issue (published in January/February each year) which presents reviews, summaries, and reports on genetics resources, technical developments (including analytical and statistical issues), and guidelines. This issue would be a benchmark for techniques and resources continuously being generated in support of the community. A number of the papers and reports would be updated regularly each year.

Finally, we continue to explore ways to improve our content, our outreach and better engage the wider mammalian genetics community. We are always keen to hear your thoughts, including proposals for special issues, reviews, and commentaries. We look forward to your thoughts and ideas.

Reference

Brown SDM, Nadeau JH (2019) Precision medicine and Mammalian Genome. *Mamm Genome* 30:89

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