Celebrating the first 60 years of *The Journal of Cell Biology*

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Much has changed in the last 60 years since a group of scientists at the then Rockefeller Institute for Medical Research broke ground on what would become *The Journal of Cell Biology*. Today, centrifuges and microtomes can be ordered with a few clicks of a mouse rather than arduously built and honed by hand. Electron microscopy data are now stored in gigabyte or terabyte digital files instead of on two-dimensional glass plates. And of course, the molecular biology revolution beginning in the 1970s and the subsequent genomic, transcriptomic, proteomic, and metabolomic analyses performed over the last two decades have dramatically expanded the questions that can be asked, and provided the means to obtain a deeper mechanistic understanding of cellular processes.

As the field of cell biology has changed over the years, so too has *JCB*, with the evolution of the journal's scope to embrace the new directions and depth of the field as well as with the adoption of new technologies to maximize the value and reach of the papers the journal publishes. Today, most papers are found and read online—on monitors, on tablets, and on phones. Reprints and bound journals have been superseded by interactive HTML and PDFs, and original imaging data can now be directly accessed thanks to innovative tools such as the JCB DataViewer (Hill, 2008). As yet more new technologies emerge, *JCB* will continue to embrace additional ways of serving the community and improving the process of sharing the best cell biology the field has to offer with the broader scientific community.

THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH

announces the publication of a new journal to be known as

THE JOURNAL OF BIOPHYSICAL AND BIOCHEMICAL CYTOLOGY

It will be the purpose of this new publication to provide a common medium for the presentation of morphological, biochemical and biophysical studies of the structure of cells and their components and of the functions of these components. The Journal will give special attention to investigations dealing with cellular organization at colloidal and molecular levels. Papers will be favored which integrate information derived from newer approaches to cytology, such as histochemistry, cytogenetics, cytochemistry, electron microscopy and X-ray diffraction.

Because of the significance of photographic evidence, the publishers of the Journal will endeavor to insure excellence of photoengravings and printing.

The length of articles will be limited to approximately 25 printed pages exclusive of plates. Short notes of 1500 words or less will be accepted; review articles will be published only on invitation.

The format and styling used by the *Journal of Experimental Medicine* and the *Journal of General Physiology*, presently published by The Rockefeller Institute, will be followed by this new Journal.

It is proposed to publish one volume per year, the issues appearing bimonthly: the price will be $7.50 per volume. In order that manuscripts may be considered for inclusion in the first number which will be published in January 1955, they must be received not later than 1 November 1954.

THE JOURNAL WILL BE EDITED BY

Richard S. Bear	*Massachusetts Institute of Technology*	Keith R. Porter	*The Rockefeller Institute*
H. Stanley Bennett	*University of Washington*	Francis O. Schmitt	*Massachusetts Institute of Technology*
Albert L. Lehninger	*The Johns Hopkins University*	Franz Schrader	*Columbia University*
George E. Palade	*The Rockefeller Institute*	Arnold M. Seligman	*Sinai Hospital of Baltimore*

Manuscripts should be addressed to The Editors of *The Journal of Biophysical and Biochemical Cytology*
The Rockefeller Institute for Medical Research, New York 21, New York

The 1954 announcement of a new journal for "the presentation of morphological, biochemical and biophysical studies of the structures of cells and their components and of the function of these compontents." Originally called *The Journal of Biophysical and Biochemical Cytology* when it began publication in January of 1955, it became known as *The Journal of Cell Biology* in 1962.

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Through all of the growth and changes within the field of cell biology, however, one element has not changed: *JCB*'s commitment to the journal's core principle of being a journal run by scientists and for scientists (Mellman, 2009), with an industry-leading focus on quality and integrity. For 60 years, *JCB* has relied on and benefited from editorial decisions made by our very own colleagues in the field. Further, as a journal founded to ensure and promote the quality of published image data, its reputation and value to the community continues to rest with its commitment to data integrity (Rossner, 2002; Rossner and Yamada, 2004), a commitment recently reinforced by our endorsement of the National Institutes of Health Proposed Principles and Guidelines for Reporting Preclinical Studies (http://www.nih.gov/about/reporting-preclinical-research.htm).

In recognition of our diamond anniversary, in the coming year *JCB* will publish several special anniversary pieces aimed at celebrating the field of cell biology. First, we will celebrate some of the major milestones in the field by expanding our From the Archive series (http://jcb.rupress.org/site/misc/fromthearchive.xhtml), which was first launched on the occasion of our 50th anniversary to highlight some of the field-defining science published in the journal over the past several decades. Second, we will explore where the field may go in the years to come with interesting perspectives addressing the question, what is cell biology? These will be written by representatives of the many facets of modern cell biology. We hope you enjoy these anniversary pieces, as well as the excellent new papers to be published in *JCB* this and every year.

References

Hill, E. 2008. Announcing the *JCB DataViewer*, a browser-based application for viewing original image files. *J. Cell Biol.* 183:969–970. http://dx.doi.org/10.1083/jcb.200811132

Mellman, I. 2009. By the scientists, for the scientists. *J. Cell Biol.* 184:7–9. http://dx.doi.org/10.1083/jcb.200812145

Rossner, M. 2002. Figure manipulation: assessing what is acceptable. *J. Cell Biol.* 158:1151. http://dx.doi.org/10.1083/jcb.200209084

Rossner, M., and K.M. Yamada. 2004. What's in a picture? The temptation of image manipulation. *J. Cell Biol.* 166:11–15. http://dx.doi.org/10.1083/jcb.200406019

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