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Biophysical Society Congratulates Members Jacques Dubochet, Joachim Frank, and Richard Henderson on Winning the 2017 Nobel Prize in Chemistry.

Rockville, MD - The Biophysical Society congratulates members Jacques Dubochet, Joachim Frank, and Richard Henderson, who were jointly awarded the 2017 Nobel Prize in Chemistry “*for developing cryo-electron microscopy for the high-resolution structure determination of biomolecules in solution.*”

Dubochet, an honorary professor of biophysics at the University of Lausanne, has been a member of the Biophysical Society since 1996, and has published several articles in *Biophysical Journal*. Most recently, he [reflected on his early work in Electron Cryomicroscopy in a perspective piece](#). Dubochet received his PhD from the University of Geneva and the University of Basel in 1973.

Frank, a HHMI investigator and professor in the Department of Biochemistry and Molecular Biophysics at Columbia University, has been a member of the Biophysical Society since 1992 and a frequent contributor to *Biophysical Journal*. He has presented his research at the Society’s annual meeting regularly and was named the Biophysical Society’s national lecturer in 2005, which is the Society’s highest honor. Frank received his PhD from the Technical University of Munich in 1970.

Henderson, Program Leader at the Medical Research Council’s Laboratory of Molecular Biology, United Kingdom, joined the Society in 1994. He received his PhD from the University of Cambridge in 1969.

“It is absolutely terrific that biophysicists Richard Henderson, Jacques Dubochet, and Joachim Frank have been honored with the Nobel Prize in Chemistry this year,” noted BPS President Lukas Tamm. “By developing cryo-EM into a technique that can now visualize

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macromolecules and large molecular complexes at near-atomic resolution, they have revolutionized structural biology. The resolution revolution that they have unleashed is still unfolding before our eyes. Based on their fundamental discoveries and technical developments, we can expect to learn a tremendous amount of exciting new biology for many years to come.”

“It is wonderful that the field of cryo-EM has received this recognition, and that the pioneering work of Jacques, Richard, and Joachim in providing the means for biologists to understand the structure of life in atomic detail has been acknowledged,” added BPS Past-President Edward Egelman.

The recipients will receive their awards on December 10th at the Nobel Banquet in Stockholm, Sweden.

The Biophysical Society, founded in 1958, is a professional, scientific society established to encourage development and dissemination of knowledge in biophysics. The Society promotes growth in this expanding field through its annual meeting, monthly journal, and committee and outreach activities. Its members are located throughout the U.S. and the world, where they teach and conduct research in colleges, universities, laboratories, government agencies, and industry.

Biophysical Journal (BJ) is the leading international journal for original research in molecular, cellular, and systems biophysics. The journal publishes work in modern biophysics, which encompasses the study of biological structures with a focus on mechanisms at the molecular, cellular, and systems level using the concepts and methods of physics, chemistry, mathematics, engineering, and computational science.

