

CONTENTS · THE JOURNAL OF
General Physiology

VOLUME 103 · NUMBER 4 · APRIL 1994

- 519 MICHAEL R. SILVER, MARK S. SHAPIRO, and THOMAS E. DECOURSEY. Effects of external Rb^+ on inward rectifier K^+ channels of bovine pulmonary artery endothelial cells
- 549 PETER S. PENNEFATHER and THOMAS E. DECOURSEY. A scheme to account for the effects of Rb^+ and K^+ on inward rectifier K channels of bovine artery endothelial cells
- 583 VALERIE URBACH, EMMY VAN KERKHOVE, and BRIAN J. HARVEY. Inward-rectifier potassium channels in basolateral membranes of frog skin epithelium
- 605 FRÉDÉRIC JAISSE, PHILIPPE JAUNIN, KÄTHI GEERING, BERNARD C. ROSSIER, and JEAN-DANIEL HORISBERGER. Modulation of the Na,K-pump function by β subunit isoforms
- 625 TSUKASA TAMEYASU, HIROYOSHI KASUGAI, MIDORI TANAKA, and HIME HARADA. Sarcomere dynamics in a spontaneous contraction wave and its effect on the following, electrically triggered twitch in rat myocyte. Comparison with the rested state twitch
- 647 UDO KLÖCKNER and GERRIT ISENBERG. Intracellular pH modulates the availability of vascular L-type Ca^{2+} channels
- 665 UDO KLÖCKNER and GERRIT ISENBERG. Calcium channel current of vascular smooth muscle cells: extracellular protons modulate gating and single channel conductance
- 679 ALFREDO KIRKWOOD and JOHN E. LISMAN. Determinants of single photon response variability
- 691 MARC A. GOLDRING and JOHN E. LISMAN. Multi-step rhodopsin inactivation schemes can account for the size variability of single photon responses in *Limulus* ventral photoreceptors