TABLE OF CONTENTS

PREFACE

ORIGINAL RESEARCH

2  A Randomized, Double-Blinded, Placebo-Controlled, Cross Over Study Evaluating the Efficacy and Safety of Timolol Ophthalmic Solution as an Acute Treatment of Migraine
   Dipika Aggarwal, M.D., Andrew J. Heim, CCRP, Brennen Bittel, D.O., Deetra Ford, M.D., Richard Dubinsky, M.D., Gary Gronseth, M.D., Vernita Hairston, M.D., Patrick Landazuri, M.D., Fred Sachen, M.D., Laura Herbelin, CCRP, Richard J. Barohn, M.D.

6  Development of Silica-Immobilized Vaccines for Improving Thermo-Tolerance and Shelf-Life
   Nicole Montoya, B.S., Ch.E., Kaylee Barr, Brian Kirchhoff, Edward Reyes, Jorge Umana, Kalena Nichol, Eric Hartman, William Picking, Ph.D., Fei Phillip Gao, Ph.D., David R. Corbin, Ph.D., Mark B. Shiflett, Ph.D.

10 Methotrexate Polyglutamation in a Myasthenia Gravis Clinical Trial
   Mamatha Pasnoor, M.D., Andrew J. Heim, CCRP, Laura Herbelin, CCRP, Jeffrey Statland, M.D., Mazen M. Dimachkie, M.D., Mara Becker, M.D., Richard J. Barohn, M.D., Methotrexate in MG Investigators of the Muscle Group Study

COMMENTARY

14 Development of GCRC and CTSA Programs at the University of Kansas Medical Center: A Personal 10-year Perspective
   Richard J. Barohn, M.D.

20 Navigating the NIH Public Access Policy for Peer-Reviewed Manuscripts: Why and How to get a PMCID Number
   Robin Liston, MPH, Richard J. Barohn, M.D.

24 Step-by-Step Guide for Setting up a Company in Kansas and Missouri
   James W. Mitchell, Ph.D., Steve O’Connor, Ph.D., Maria Meyers, Rajiv Kulkarni, Richard J. Barohn, M.D.

26 Dedicated to the Pipeline: KU Frontiers’ Pursuit of Maintaining and Cultivating the Careers of Current and Future Physician-Scientists
   Amy M. Smith, M.S., MBA, Won S. Choi, Ph.D.

LETTER TO THE EDITOR

29 Letter to the Editor: A Randomized, Double-Blinded, Placebo-Controlled, Cross Over Study Evaluating the Efficacy and Safety of Timolol Ophthalmic Solution as an Acute Treatment of Migraine
   John C. Hagan III, M.D., FACS, FAAO

FRONTIERS RESEARCH DAY ABSTRACTS