

Building Research Infrastructure: Planning for Future Needs and Implementing for Change

*Merrill Series on
The Research Mission of Public Universities*

A compilation of papers originally presented at a retreat
sponsored by The Merrill Advanced Studies Center
July 2016

Mabel L. Rice, Editor
Technical editor: Suzanne Scales

MASC Report No. 120
The University of Kansas

© 2016 The University of Kansas Merrill Advanced
Studies Center or individual author

In Memory of Prem Paul

I dedicate this collection of papers from the 20th annual Merrill Research Retreat to the memory of one of the participants, Prem Paul. Dr. Paul first attended the Retreat in 2002, as the Vice Chancellor for Research and Economic Development at the University of Nebraska, a position he assumed in July, 2001. In the subsequent years, he was a strong supporter of the Retreat, with an appreciation of the informativeness of the meetings and the opportunity to broaden his ever-expanding network of friends and potential colleagues. He always was excited about the content, his opportunity to share the innovations in research policy and activities at the University of Nebraska, and the opportunities to enhance regional collaborations and regional representation in national research policy developments. He brought to the meeting a lively intelligence, a great depth of knowledge in not only his own discipline of veterinary medicine but also across many content areas, great communication skills, and a real joy in representing the University of Nebraska. He inspired all of us in positive ways, as he pursued big ideas and a conviction that good scientists bring the promise of the future to all of us. We are grateful that he attended the meeting in 10 of the last 15 years, even as his health was failing. We are also grateful that he provided consistent support for the Retreat, with personal involvement in the selection of his designated UNL representatives in the years when he had other professional commitments at the time and could not attend.



On behalf of the participants over the last 15 years who had the opportunity to meet Prem and benefit from his intellectual and social strengths, I express our sense of loss and our condolences to Prem's family and many friends in the world of research activities, planning and advocacy. His legacy will be with us for a long time.

Mabel L. Rice, PhD
Fred & Virginia Merrill Distinguished Professor of Advanced Studies
University of Kansas
Director, Merrill Advanced Studies Center
January, 2017

TABLE OF CONTENTS

MASC Report No. 120

Introduction

Mabel L. Rice.....	v
Director, Merrill Advanced Studies Center, the University of Kansas	

Executive summary	vii
--------------------------------	-----

Keynote address

Kim A. Wilcox	1
Chancellor, University of California, Riverside	
<i>Clearing the Path on the Endless Frontier</i>	

Panel 1: Researchers

Alex W. Barker	10
University of Missouri	
<i>The Knowledge Archive as Convergence: Challenges of Scale and Sustainability for Scholarly Publishers, Libraries and Museums</i>	

Yo Jackson.....	21
University of Kansas	
<i>Child Trauma Research: Future Directions and Next Steps</i>	

Abiodun Akinwuntan	29
University of Kansas Medical Center	
<i>Technology and Research</i>	

Panel 2: Research Administrators

Jerry Zamzow	35
Iowa State University	
<i>Animal Research Support: The Transition from Ancillary Service to Contract Research Organization</i>	

April C. Mason.....	38
Kansas State University	
<i>The Value added of Education at a Public Research University</i>	

Sara Thomas Rosen	41
Georgia State University	
<i>Assessing Research Productivity</i>	

Panel 3: Researchers

Joseph A. Heppert..... 57

University of Kansas

Planning for Institutional Core Research Facilities in Uncertain Times

Sarah C. Larsen..... 67

University of Iowa

Enhancing University Research through Innovations in Graduate Education

Panel 4: Research Administrator

Brian L. Foster 75

University of Missouri

Infrastructure Planning and Implementation for Transformative and Incremental Research

Panel 5: Researcher and Administrator Panel

Carl W. Lejuez..... 87

University of Kansas

Seed Funding Programs in a Comprehensive Liberal Arts and Sciences College

Sally L. Maliski..... 96

University of Kansas Medical Center

Staying Strong and Healthy: Minimizing Cardiovascular and Metabolic Effects of Androgen Deprivation Therapy: A Study in Transition

Panel 6: Administrator Panel

Peter K. Dorhout..... 105

Kansas State University

Attracting and Retaining Competitive Faculty – Startups, Core Facilities, and Investment Strategies...Oh My!

LIST OF PARTICIPANTS and CREDENTIALS..... 113