

RAPID RESPONSE BY LABORATORY ANIMAL RESEARCH INSTITUTIONS DURING THE COVID-19 PANDEMIC: LESSONS LEARNED

► MARCH 9-10, 2021

A Virtual Workshop

DAY ONE	
11:00 AM - 11:05 AM	Welcome and Brief Introductions Teresa Sylvina
11:05 AM - 11:10 AM	Workshop Introduction Jill Ascher, Chair Planning committee
11:10 AM - 12:30 PM	Session 1: Keynote Speaker and Scientific Background to Meeting <u>Rapid (and Precise) COVID-19 Vaccine Development: Proof-of-Principle for Prototype Pathogen Preparedness and Response</u> Barney Graham, M.D., Ph.D. <i>Deputy Director, Vaccine Research Center National Institute of Allergy and Infectious Diseases National Institutes of Health</i> <u>Rapid Retuning of the Pittsburgh Regional Biocontainment BSL-3 Laboratory to Support Pre-Clinical COVID-19 Studies</u> Paul Duprex, Ph.D. <i>Director, Center for Vaccine Research University of Pittsburgh School of Medicine</i> Question and Answer Panel: 10-20 minutes Facilitator: Jill Ascher
12:30 PM - 12:45 PM	Break
12:45 PM - 2:30 PM	Session 2: Ramping Up: Animals and Other Resources for Infectious Disease Research – Part 1 <u>The COVID-19 Pandemic: The Triumphs and Challenges of Vaccine Development and Use of Animal Models in the Midst of a Pandemic</u> Ian Moore, D.V.M., Ph.D., DACVP <i>Investigative Veterinary Pathologist and Section Chief, Infectious Disease Pathogenesis Section National Institute of Allergy and Infectious Diseases National Institutes of Health</i> <u>Bringing Together Stakeholders: Users and Resources</u> Franziska Grieder, D.V.M., Ph.D. <i>Director, Office of Research Infrastructure Program Division of Program Coordination, Planning, and Strategic Initiatives National Institutes of Health</i>

	<p><u>Lessons Learned: NHP Supply</u> Kurt Derfler, M.B.A. <i>Executive Director of Operations</i> <i>Charles River Laboratories</i></p> <p><u>COVID-19 Rodent Model Development in CRISPR Age: Challenges</u> Stephen Festin, Ph.D. <i>Director, Scientific and Commercial Development</i> <i>Corporate Research Models and Services</i> <i>Charles River Laboratories</i></p> <p><u>Nonhuman Primate Importation During the SARS-CoV-2 Pandemic</u> Gale Galland, D.V.M., M.S., DACVPM <i>Veterinary Medical Officer, Zoonoses Team</i> <i>Quarantine Border Health Services Branch</i> <i>Division of Global Migration and Quarantine</i> <i>U.S. Center for Disease Control</i></p> <p>Question and Answer Panel: 10-15 minutes</p> <p>Facilitator: Brianna Skinner</p>
2:30 PM – 2:45 PM	Break
2:45 PM – 4:00 PM	<p>Session 3: Ramping Up Animal Based Infectious Disease Research – Part 2</p> <p><u>Occupational Health in a Pandemic</u> Maureen Thompson, BSN, RN, COHN, RBP (ABSA) <i>Safety Officer, Yerkes National Primate Research Center</i> <i>Associate Director, Environmental Health and Safety Office</i> <i>Emory University</i></p> <p><u>Risk Assessment and Biosafety Support for SARS-CoV-2 and COVID-19 Research: Challenges in Established ABSL-2 and ABSL-3 Research Programs.</u> Molly Stitt-Fisher, PhD, CPH, CBSP, SM(NRCM) Rebecca Lingenfelter, MSPH <i>University Biosafety Officer/Associate Biosafety Officer and Alternate Responsible Official for Select Agents, Department of Environmental Health and Safety</i> <i>University of Pittsburgh</i></p> <p>Question and Answer Panel: 15-20 minutes</p> <p>Facilitator: Joyce Cohen</p>
4:00PM	Adjourn Day One

DAY TWO	
11:00 AM - 11:05 AM	<p>Welcome and Brief Introductions David Kurtz</p>
11:05 AM – 12:45 PM	<p>Session 4: Animal Research During COVID-19: Challenges and Opportunities to Address Future Pandemics</p> <p><u>Public Messaging and Communications About Animal-Based Research During the COVID-19 Pandemic</u> James O'Reilly, B.A. <i>President, Massachusetts Society for Medical Research</i></p> <p><u>Virus Sequence Data During an Outbreak</u> Eneida Hatcher, Ph.D. <i>Contractor, National Center for Biotechnology Information National Library of Medicine National Institutes of Health</i></p> <p><u>The Nonhuman Primate Model of SARS-CoV-2 to Test Therapeutic Strategies: Overcoming Challenges and Obstacles Towards Proof of Concept</u> Koen Van Rompay, D.V.M., Ph.D. <i>Full Research Virologist, California National Primate Research Center UC Davis</i></p> <p><u>Fast Tracking Animal Model Development, Collaborations, and Research to Deliver Preclinical Data for Vaccine Antigen Selection</u> Isis Kanevsky, Ph.D. <i>Director, Vaccine Research Unit Pfizer</i></p> <p><u>Management of a Nonhuman Primate Colony During SARS-CoV-2</u> Joyce Cohen, V.M.D., DACLAM <i>Associate Director, Division of Animal Resources Yerkes National Primate Research Center Emory University</i></p> <p>Question and Answer Panel: 15 minutes</p> <p>Facilitator: David Kurtz</p>
12:45 PM - 1:00 PM	Break
1:00 PM - 3:00 PM	<p>Session 5: Resiliency in Animal Research Operations – COVID19 Lessons Learned</p> <p><u>Maintaining Animal Research Continuity in the Time of COVID-19</u> Michael J. Huerkamp, D.V.M., DACLAM <i>Executive Director, Division of Animal Resources Emory University</i></p>

	<p><u>Resiliency in Animal Research Operations – COVID-19 Lessons Learned: Direct</u></p> <p><u>Staffing Impacts</u></p> <p><u>CDR Temeri Wilder-Kofie, D.V.M., MPH, DACLAM</u> <i>Facility Veterinarian, Comparative Medicine Branch National Institute of Allergy and Infectious Diseases National Institutes of Health</i></p> <p><u>Resiliency in Animal Research Operations: Laboratory Animal Program</u></p> <p><u>Operations and Management Impacts</u></p> <p><u>Jill Ascher, M.A., D.V.M., MPH, DACLAM</u> <i>Director, Division of Veterinary Resources Office of Research Services National Institutes of Health</i></p> <p><u>Impact of the COVID-19 Pandemic on Animal Research</u></p> <p><u>Lori Palley, D.V.M., DACLAM</u> <i>Assistant Director of Veterinary Services, Center for Comparative Medicine Massachusetts General Hospital</i></p> <p><u>Financial Impact of the COVID-19 Pandemic on Academic Animal Care Programs</u></p> <p><u>Lucy Kennedy, D.V.M., DACLAM</u> <i>Assistant Director for Clinical Services and Assistant Attending Veterinarian, Unit for Laboratory Animal Medicine University of Michigan</i></p> <p><u>Evolving Prioritizations of <i>In Vivo</i> Research in Pharma During the</u> <u>COVID-19 pandemic</u></p> <p><u>Sean Maguire, V.M.D., M.S., MRCVS, DACLAM</u> <i>Comparative & Translational Sciences Director & Associate Fellow GlaxoSmithKline</i></p> <p><u>Integrating the Institution’s COVID-19 Response Plan into the Research Animal</u> <u>Program</u></p> <p><u>Stephen Denny, D.V.M., M.S., DACLAM, DACVPM</u> <i>Director, Office of Animal Care and Use Office of Intramural Research National Institutes of Health</i></p> <p>Facilitator: Joe Newsome</p>
3:00 PM - 3:15 PM	Break

3:15 PM - 4:15 PM	<p>Session 6: Panel Discussion – Resiliency in Animal Research Operations</p> <p>Open panel discussion with audience participation</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Academia Mike Huerkamp, Lori Palley, Lucy Kennedy • Government Jill Ascher, Temeri Wilder-Kofie, Stephen Denny • Industry – Pharma Sean Maguire • Primate Research Center Joyce Cohen • Animal Research Advocate James O'Reilly <p>Facilitators: Joseph Newsome and Michael Huerkamp</p>
4:15-4:25PM	Workshop Reflections and Closing Remarks – Jill Ascher
4:25PM	<p>Close of Meeting – Teresa Sylvina</p> <p>Adjourn Day Two</p>