EXTRACT FROM THE RECORDS OF UNIVERSITY OF MASSACHUSETTS

Granting Authority to Execute Contracts and All Other Instruments

<u>I. Zunilka Barrett. Secretary of the Board of Trustees of the University of Massachusetts</u>, do hereby certify that the following is a true and complete copy of a vote duly adopted by the Board of Trustees of the University of Massachusetts at a meeting duly called and held on the fifth day of February, nineteen hundred and ninety-seven at the University of Massachusetts, Chancellor's Conference Room, Boston, Massachusetts:

"Further, to affirm that, except as to matters governed by the University of Massachusetts Intellectual Property Policy (Doc. T96-040), the Treasurer of the University of Massachusetts or his designee shall be the sole contracting officer of the University with the Authority to execute all contract, grants, restricted gifts (excluding endowments), and amendments thereto for sponsored programs in instruction, research, or public service, unless and until otherwise voted by the Board of Trustees."

I further certify that the Senior Vice President for Administration & Finance and Treasurer of the University, Lisa A. Calise, has retained the right to remain the sole contracting officer of the University of Massachusetts, but in her absence, she has designated Andrew W. Russell, Senior Assistant Vice President of Operations and Associate Treasurer.

I further certify that effective September 3rd, 2025, the following is a list of designated individuals authorized in accordance with the afore referenced votes to review and execute all grants and contracts for sponsored programs in instruction, research and public service that are applicable to and received on behalf of the University of Massachusetts for their respective campuses.

Amherst Campus

Javier Reyes, Chancellor, Amherst Campus, Amherst, Massachusetts,

Michael F. Malone, Vice Chancellor, Research and Engagement Amherst Campus, Amherst, Massachusetts,

Laura J. Howard, Associate Director, Division of Continuing Education, Amherst Campus, Amherst, Massachusetts

Karen Moré, Assistant Vice Chancellor for Research Compliance & Security, Amherst Campus, Amherst, Massachusetts

John Fillio, Assistant Director for the Office of Post Award Management, Amherst Campus, Amherst, Massachusetts

Alene Denson, Director, Office of Post Award Management, Amherst Campus, Amherst, Massachusetts.

Laura Vandenberg, Acting Vice Chancellor for Research and Engagement Professor of Environmental Health Sciences, Amherst Campus, Amherst, Massachusetts,

Kristy Reese, Director, Office of Pre-Award Services, Amherst Campus, Amherst, Massachusetts

Boston Campus

Marcelo Suárez-Orozco, Chancellor, Boston Campus, Boston, Massachusetts, Kathleen Kirleis, Vice Chancellor for Administration and Finance, Boston Campus, Boston, Massachusetts,

Joseph Berger, Provost & Vice Chancellor for Academic Affairs, Boston Campus, Boston, Massachusetts.

Bala Sundaram, Vice Provost for Research and Strategic Initiatives and Dean of Graduate Studies, Boston Campus, Boston, Massachusetts,

Matthew L. Meyer, Associate Vice Provost for Research and Director of the Office of Research & Sponsored Programs, Boston Campus, Boston, Massachusetts,

Shala A. Bonyun, Assistant Director for the Office of Research and Sponsored Programs, Boston Campus, Boston, Massachusetts,

Rebecca Hanson, Associate Director of ORSP Post Award Support Services, Boston Campus, Boston, Massachusetts,

Dartmouth Campus

Mark Fuller Chancellor, Dartmouth Campus, Dartmouth, Massachusetts,

Michael Goodman, Acting Provost & Vice Chancellor for Academic Affairs, Dartmouth Campus, Dartmouth, Massachusetts,

Michelle M. Plaud, Manager of Pre and Post Award Administration, Dartmouth Campus, Dartmouth, Massachusetts,

Megan Hennessey-Greene, Director, Office of Research Administration, Dartmouth Campus, Dartmouth Massachusetts,

Ramprasad Balasubramanian, Vice Provost for Research and Academic Affairs, Dartmouth Campus, Dartmouth, Massachusetts,

Lowell Campus

Julie Chen, Chancellor, Lowell Campus, Lowell, Massachusetts,

Joseph Hartman, Provost and Vice Chancellor for Academic and Student Affairs, Lowell Campus, Lowell, Massachusetts,

Joanne Yestramski, Interim Vice Chancellor for Finance and Operations, Lowell Campus, Lowell, Massachusetts

Cody Pilon, Associate Director Contracts & Subcontracts Administration, Lowell Campus, Lowell, Massachusetts

Anne Maglia, Vice Chancellor for Research & Innovation, Lowell Campus, Lowell, Massachusetts,

Jacqueline Black, Executive Director, Office of Research Administration, Lowell Campus, Lowell, Massachusetts,

Thomas Hoole, Senior Executive Director of Business Operations & Strategic Initiatives, Lowell Campus, Lowell, Massachusetts

Worcester

Michael F. Collins, M.D., Chancellor, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Terence R. Flotte, M.D., Dean, School of Medicine, Provost and Executive Deputy Chancellor, University of Massachusetts Chan Medical School, Worcester, Massachusetts

John C. Lindstedt, Executive Vice Chancellor for Administration & Finance, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Marcy Culverwell, Sr. Associate Vice Chancellor for Administration & Finance, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Parth Chakrabarti, Executive Vice Chancellor, Office of Innovation & Business Development, University of Massachusetts Chan Medical School, Worcester, Massachusetts

George Xixis, Associate Vice Chancellor, Head of Transactions, Office of Innovation and Business Development, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Lisa M. Colombo, DNP, MHA, RN, Executive Vice Chancellor, ForHealth Consulting at University of Massachusetts Chan Medical School, Worcester, Massachusetts

Patti Onorato RN, ANP, MS, Deputy Executive Vice Chancellor for Operations, ForHealth Consulting at University of Massachusetts Chan Medical School, Worcester, Massachusetts **Mireli Fino**, Executive Vice Chancellor for MassBiologics at University of Massachusetts Chan Medical School, Worcester, Massachusetts

Katherine Luzuriaga, M.D., Vice Provost for Research, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Danielle Howard, Director, Clinical Research Operations, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Amy Miarecki, Associate Vice Chancellor, Grants and Contracts Administration, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Elizabeth Giehl, Director of Grant Accounting and Compliance, University of Massachusetts Chan Medical School, Worcester, Massachusetts

Cheikh Camara, Director of Sponsored Programs, University of Massachusetts Chan Medical School, Worcester, Massachusetts

James G. Healy, JD, Deputy Executive Vice Chancellor for Management, University of Massachusetts Chan Medical School, Worcester, Massachusetts

I further certify that Lisa A. Calise, Andrew W. Russell, Javier Reyes, Michael F. Malone, Laura J. Howard, Karen Moré, John Fillio, Alene Denson, Laura Vandenberg, Kristy Reese, Marcelo Suárez-Orozco, Kathleen Kirleis, Joseph Berger, Bala Sundaram, Matthew L. Meyer, Shala A. Bonyun, Rebecca Hanson, Mark Fuller, Michael Goodman, Megan Hennessey-Greene, Ramprasad Balasubramanian, Michelle M. Plaud, Joanne Yestramski, Julie Chen, Joseph Hartman, Anne Maglia, Cody Pilon, Jacqueline Black, Thomas Hoole, Michael F. Collins, Terence R. Flotte, John C. Lindstedt, Marcy Culverwell, Parth Chakrabarti, George Xixis, Lisa M. Colombo, Patti Onorato, Mireli Fino, Cheikh Camara, Katherine Luzuriaga, Danielle Howard, Amy Miarecki, Elizabeth Giehl, and James G. Healy, are members of the University Administration with its principal office located at 50 Washington Street, Suite 3000, Westborough, MA, County of Worcester, in the Commonwealth of Massachusetts.

Date: September 3rd, 2025

Zunilka Barrett, Secretary to the Board of Trustees