

## SCHEDULE I

### Executive officers and directors of Biogen Inc.

<b>Name and Position</b>	<b>Citizenship</b>	<b>Position/Principal Occupation</b>	<b>Principal Business Address</b>
Caroline Dorsa	USA	Director	225 Binney Street, Cambridge, Massachusetts 02142
Maria C. Freire, Ph.D.	USA	Founder and Principal of The Freire Group	225 Binney Street, Cambridge, Massachusetts 02142
William A. Hawkins	USA	Senior Advisor to EW Healthcare Partners	225 Binney Street, Cambridge, Massachusetts 02142
Susan Langer	USA	President & Chief Business Officer of Souffle Therapeutics	225 Binney Street, Cambridge, Massachusetts 02142
Jesus B. Mantas	USA	Global Managing Partner of Business Transformation Services of IBM Consulting	225 Binney Street, Cambridge, Massachusetts 02142
Lloyd B. Minor, M.D.	USA	Dean of the Stanford University School of Medicine and Vice President for Medical Affairs at Stanford University	225 Binney Street, Cambridge, Massachusetts 02142
Sir Menelas Pangalos, Ph.D.	U.K.	Director	225 Binney Street, Cambridge, Massachusetts 02142
Monish Patolawala	USA	Executive Vice President and Chief Financial Officer at ADM	225 Binney Street, Cambridge, Massachusetts 02142
Eric K. Rowinsky, M.D.	USA	Executive Chairman of Inspirna	225 Binney Street, Cambridge, Massachusetts 02142
Stephen A. Sherwin, M.D.	USA	Clinical Professor of Medicine at the University of California, San Francisco, Attending Physician in Hematology-Oncology at the Zuckerberg San Francisco General Hospital and venture partner with Third Rock Ventures, LLC	225 Binney Street, Cambridge, Massachusetts 02142
Christopher A. Viehbacher	USA	President and Chief Executive Officer	225 Binney Street, Cambridge, Massachusetts 02142
Michael McDonnell	USA	Chief Financial Officer	225 Binney Street, Cambridge, Massachusetts 02142
Susan H. Alexander	USA	Chief Legal Officer	225 Binney Street, Cambridge, Massachusetts 02142
Robin Kramer	USA	Chief Accounting Officer	225 Binney Street, Cambridge, Massachusetts 02142
Ginger Gregory, Ph.D.	USA	Chief Human Resources Officer	225 Binney Street, Cambridge, Massachusetts 02142

Jane Grogan, Ph.D.	USA	Head of Research	225 Binney Street, Cambridge, Massachusetts 02142
Richard Izzar	Morocco	Head of Global Product Strategy & Commercialization	225 Binney Street, Cambridge, Massachusetts 02142
Adam Keeney	USA	Head of Corporate Development	225 Binney Street, Cambridge, Massachusetts 02142
Nicole Murphy	USA	Head of Pharmaceutical Operations and Technology	225 Binney Street, Cambridge, Massachusetts 02142
Priya Singhal, M.D., M.P.H.	USA	Head of Development	225 Binney Street, Cambridge, Massachusetts 02142

**Executive officers and directors of Biogen MA Inc.**

<b>Name and Position</b>	<b>Citizenship</b>	<b>Position/Principal Occupation</b>	<b>Principal Business Address</b>
Fearghas Carruthers	U.K.	Director, Vice President	225 Binney Street, Cambridge, Massachusetts 02142
Michael Dambach	USA	Director, Vice President and Treasurer	225 Binney Street, Cambridge, Massachusetts 02142
Robin Kramer	USA	Director, President	225 Binney Street, Cambridge, Massachusetts 02142
Adam Keeney	USA	Head of Corporate Development	225 Binney Street, Cambridge, Massachusetts 02142
Christopher Viehbacher	USA	Chief Executive Officer	225 Binney Street, Cambridge, Massachusetts 02142
Michael McDonnell	USA	Chief Financial Officer	225 Binney Street, Cambridge, Massachusetts 02142
Susan Alexander	USA	Chief Legal Officer	225 Binney Street, Cambridge, Massachusetts 02142
Ginger Gregory	USA	Chief Human Resources Officer	225 Binney Street, Cambridge, Massachusetts 02142
Jane Grogan	USA	Head of Research	225 Binney Street, Cambridge, Massachusetts 02142
Nicole Murphy	USA	Head of Pharmaceutical Operations and Technology	225 Binney Street, Cambridge, Massachusetts 02142
Priya Aneesh Singhal	USA	Head of Development	225 Binney Street, Cambridge, Massachusetts 02142
Rachid Izzar	Morocco	Head of Global Product Strategy and Commercialization	225 Binney Street, Cambridge, Massachusetts 02142