

# Biographical Data



Lyndon B. Johnson Space Center  
Houston, Texas 77058

National Aeronautics and  
Space Administration

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**NAME:** Jacob John Bloomberg

**TITLE:** Senior Research Physiologist

**BIRTHPLACE AND DATE:** Montreal, Canada. Oct. 14, 1960

**EDUCATION:** Received a Bachelor of Science degree in Biology, 1984 at McGill University, Montreal Canada and a Ph.D. in Physiology, 1989 from McGill University, Montreal Canada.

**RESIDENCE:** Houston, Texas

**MARITAL STATUS:** Married

**CHILDREN:** Two

**SPECIAL HONORS AND AWARDS:**

- Natural Sciences and Engineering Research Council (NSERC) of Canada Postgraduate Scholarship, (84, 85, 86, 87, 88)
- Ph.D. degree from McGill University awarded with Distinction (1989)
- Sustained Superior Performance Award, Space and Life Sciences Directorate, NASA Johnson Space Center (1991)
- Performance Award, Space and Life Sciences Directorate, NASA Johnson Space Center (92, 93, 94, 95, 96, 97, 98, 99, 00, 01,02)
- Group Achievement Award, NASA-Mir Program (98)
- Life Sciences Research Laboratories Service Award (99)
- Special Space Flight Achievement Award (STS-107 HLS Project Management Team, 2003)
- Special Space Flight Achievement Award (Increment 6/7 Baseline Data Collection and Medical Assessment Team, 2003)

**EXPERIENCE:**

1984 - 1988: Graduate studies, Aerospace Medical Research Unit, Dept. of Physiology, McGill University, Montréal, Québec, Canada, Doctoral research under the supervision of Dr. G. Melvill Jones.

- 1988 - 1989: Research Associate, Aerospace Medical Research Unit, Dept. of Physiology, McGill University, Montréal, Québec, Canada.
- 1989 - present: Senior Research Physiologist, Neuroscience Laboratories, NASA Johnson Space Center, Houston, TX
- 1990 - 1995: Principal Investigator in NASA's Extended Duration Orbiter Medical Project
- 1994 - 1995: Team Leader for Sensory-Motor and Performance Group (NeuroLab STS-90 Shuttle flight)
- 1994 - 1998: Discipline Lead for Joint US-Russian Sensory-Motor Investigations
- 1994 - 1998: Principal Investigator for the NASA/Mir Human Life Science Program
- 1990 - present: Head Neuroscience Motion Laboratory
- 1997 - present: Member of National Space Biomedical Research Institute (NSBRI)
- 1993 - present: National Research Council (NRC) Adviser for NRC's Graduate Student Research Program
- 1994 - present: NASA Supervisor for Baylor College of Medicine Residency Education
- 1994 – present: Supervisor for NASA's Graduate Student Research Program
- 1999 – present: Manager, Neuroscience Laboratories, NASA Johnson Space Center
- 1999 – present: Project Scientist for the STS-107 Human Life Sciences Project
- 2000 – present: Adjunct Faculty, University of Houston, Houston, TX
- 2003 – present: Adjunct Faculty, University of Texas Medical Branch, Galveston, TX
- 2004 – present: Associate Team Lead for the National Space Biomedical Research Institute's Neurovestibular Team**

#### **CURRENT ASSIGNMENT:**

Jacob J. Bloomberg is currently a Senior Research Scientist with the Human Adaptation and Countermeasures Office at NASA's Johnson Space Center in Houston. Dr. Bloomberg has served as the Discipline Lead of the Joint U.S./Russian Sensory-Motor Investigations conducted on the Mir Space Station. He was also a Principal Investigator on studies conducted under NASA's Extended Duration Medical Program (EDOMP), Shuttle-Mir and NASA-Mir Life Science Programs and was Project Scientist for the Human Life Science Experiments performed on STS-107. He is also a member of the National Space Biomedical Research Institute (NSBRI). His research focuses on the effects of spaceflight on sensorimotor function and the development of countermeasures to facilitate adaptive transition to different gravitational environments. **His current study "Mobility" is being conducted on the International Space Station and is designed to investigate a new treadmill training technique to**

**facilitate readaptation of locomotor function after long duration spaceflight.**

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