

# DANIEL MÜLLER, MA

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## DEGREES & CERTIFICATIONS

**Master of Arts: Medical & Biological Illustration** – The Department of Art as Applied to Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland, USA, 2000

**Licenciatura (5-year degree): Biology as Applied to Animal Resources** – Faculdade de Ciências da Universidade de Lisboa, 1997

**Secondary education** – Lycée Français Charles Lepierre, Lisbon, Portugal, 1991

## PROFESSIONAL BACKGROUND

### positions

**Manager, Medical Data Visualization and User Experience** — The New England Journal of Medicine; Boston, Massachusetts, April 2021-present

**Interactive Medical Media Designer** — The New England Journal of Medicine; Boston, Massachusetts, October 2007-present  
*UX and UI design of dynamic HTML5 interactive graphics and data visualizations, applications, and templates (video and audio) using current design trends and web standards. Creation of biomedical illustrations and animations for print and web versions of NEJM content. Management of temp illustrators and web developers.*

**Senior Medical and Scientific Illustrator** — The New England Journal of Medicine; Boston, Massachusetts, May 2004-October 2007  
*Creation of biomedical illustration, interactive Flash learning graphics and animations for print and web versions of NEJM articles.*

**Founding Partner, Director** — Haderer & Müller Biomedical Art, LLC; Melrose, Massachusetts, April 2004-present  
*Biomedical illustration and animation, interactive media design.*

**Founding Partner** — Haderer & Müller Ilustração Biomédica Lda.; Lisbon, Portugal, March 2001-September 2004  
*Establishment and operation of the first studio in Portugal to provide biomedical illustration, design, and anaplastology services to clients nationally and internationally.*

**Instructor** — Instituto Superior de Educação e Ciências; Lisbon, Portugal, 2001-2002  
*Development and instruction of the university course Biological Illustration.*

**Self-employed Biomedical Illustrator and Anaplastologist** — Lisbon, Portugal, September 2000-February 2001

**Biologist** — Freshwater Fish Ecology Laboratory, Faculdade de Ciências da Universidade de Lisboa; Lisbon, Portugal, 1997-98  
*Study of fish population dynamics along several southern Portuguese rivers.*

### continuing education

**Smart Interface Design Patterns, 2020 Edition, with Vitaly Friedman** — Smashing Online Workshops; September 2020

**Information Graphics and Data Visualization online workshop** — 5W Infographics; June 2020

**Stat2.1x Introduction to Statistics: Descriptive Statistics** — BerkeleyX; March 2014

**GSAP (HTML5 Animation Platform), Three-day seminar** — Noble Desktop; New York City, New York, March, 2014

**Intro to CSS and Advanced CSS, Two-day seminar** — Mogo Media; Chicago, Illinois, November, 2012

**Usability Week: Mobile User Experience 1 & 2** — Norman Nielsson Group; Las Vegas, Nevada, December, 2010

**Adobe Flex 3: Developing Rich Internet Client Applications** — Future Media Concepts; Cambridge, Massachusetts, January 2009

**Adobe Flash 9: ActionScript 3** — New Toronto Group; Toronto, Canada, August 2007

**Macromedia Flash 8 Course: Video Development** — Future Media Concepts; Cambridge, Massachusetts, December 2006

**Usability Week: Eyetracking Web Usability; Fundamental Guidelines for Web Usability** — Norman Nielsson Group; San Francisco, California, June, 2006

**Macromedia Flash MX 2004 Course: Video Development** — New Toronto Group; Boston, Massachusetts, May 2005

**Macromedia Flash 8 Course: ActionScript** — New Toronto Group; Toronto, Canada, January, 2005

areas of specialization

Interactive media design and development; Biomedical illustration in digital and traditional media; Digital animation; 3D computer modeling; graphic design; Fluent in English, Portuguese, and French

software skills

Adobe InDesign, Photoshop, Illustrator, After Effects, XD, Media Encoder, Acrobat; HTML5, CSS, JavaScript, XML, Json; GitHub, Coda, Sublime Text; Maxon Cinema 4D, Poser; Final Cut Pro; Logic Pro; Microsoft Office; WordPress and Joomla

professional memberships

Association of Medical Illustrators (AMI), since 1998 – *Current position: Chair of Web Committee*

Portuguese Fulbright Scholar Alumni Association, since 2002

Health Sciences Communications Association (HeSCA), 2008–2014

Guild of Natural Science Illustrators (GNSI), 1995-2000

professional activities

**Chair, AMI 2018 Annual Meeting** — Association of Medical Illustrators; 2018

*Coordination of meeting committees, recruitment of volunteers, leadership of committee calls, submission of regular updates to the Board on meeting planning and progress, selection of speakers with the Program Co-Chairs, participation on meeting budget decisions, and emcee on site during conference.*

**Chair, Web Committee** — Association of Medical Illustrators; 2013–2021

*Identification of and advocacy for web needs and services for AMI.org, HUB.ami.org (AMI members-only portal), and conference websites. Consideration and recommendation of web-related policies and procedures. Proactive role in promoting the integration of web and new media in an effort to support the professional and administrative needs of the AMI.*

**Presenter:** *When Science Meets Art: Medical and Scientific Illustration*; 7th Edition Beyond MEd, November 2020

**Presenter:** *Creating and Manipulating Images for Scientific Publication and Presentation, Full day workshop*; II Simpósio da Acta Médica Portuguesa, Lisbon, Portugal, November 2013

**Presenter:** *A Portuguese Scientific Illustrator at The New England Journal of Medicine*; II Simpósio da Acta Médica Portuguesa, Lisbon, Portugal, November 2013

**Presenter:** *Interactive Timeline - 200 Years of The New England Journal of Medicine*; The Health and Science Communications Association Annual Meeting, Providence, Rhode Island, USA, June 2012

**Presenter:** *Combining Flash and XML - The NEJM Experience*; Association of Medical Illustrators Annual Meeting, Baltimore, USA, July 2011

**Presenter:** *Intermediate Flash & ActionScript 3, Full day workshop*; Association of Medical Illustrators Annual Meeting, Baltimore, USA, July 2011

**Presenter:** *Combining Flash and XML - The NEJM Experience*; The Health and Science Communications Association Annual Meeting, Boston, Massachusetts, USA, June 2010

**Website committee member:** Association of Medical Illustrators, September 2006-2008

**Co-chair:** *AMI Member Salon Catalog* – conception, design, and production of the 150-page full-color exhibit catalog; Association of Medical Illustrators Annual Meeting, Boston, USA, August 2006

**Exhibitor:** *Ilustração Científica (Scientific Illustration)*; Public Library of Lisbon, Lisbon, Portugal, January-March 2004

**Co-author:** Anaplastology: Art in the Service of Rehabilitation, *Integrar*, N°19:43-44, 2002

**Co-organizer and Exhibitor:** *SURGICAL ILLUSTRATION: Communicating Medicine* - surgical illustration in Portugal, past and present, exhibited along with a series of original Max Brödel medical illustrations; European Surgical Week conference, Lisbon, Portugal, June 2002

**Co-key Speaker and Exhibitor:** *Exposition of Scientific Illustration*; Faro, Portugal, June 2002

**Presenter:** *Osseointegration: Method of prosthesis fixation*; Jornadas de Medicina Física e de Reabilitação, Hospital da Senhora da Oliveira, Guimarães, Portugal, April 2002

**Presenter:** *Modern Medical Illustration: Concepts and Techniques*; Instituto de Ciências Biomédicas, Porto, Portugal, November 2001

**Exhibitor:** *Medical Illustrations of Haderer & Müller*; Instituto de Ciências Biomédicas, Porto, Portugal, November 2001

**Co-author:** History and Importance of Medical Illustration, *Notícias Médicas*, N°2684:20-21, 2001

**Presenter:** History of Medical Illustration; Instituto de Ciências Biomédicas, Porto, Portugal, November 2000

**Executive Committee Member:** Annual Conference of the Guild of Natural Science Illustrators, Portugal, August 2000

**Master's thesis author:** A Three-Dimensional Reconstruction of the Sphincter of Oddi and Choledochoduodenal Junction; The Johns Hopkins University School of Medicine, May 2000

## AWARDS & SCHOLARSHIP

AMI Fellow, 2018

Award of Merit – Interactive Instructional Media, Association of Medical Illustrators, 2017

Award of Merit – Interactive Instructional Media, Association of Medical Illustrators, 2016

Award of Merit – Interactive Instructional Media, Association of Medical Illustrators, 2010

Award of Merit – Interactive Instructional Media, Association of Medical Illustrators, 2008

Award of Excellence – Instructional Color, Association of Medical Illustrators, 2006

Annette Burgess Award in Ophthalmological Illustration, 2000

Vesalius Trust Research Grant, 2000

Award of Excellence – Student Projection Media, Association of Medical Illustrators, 1999

GNSI Illustration Award, 1998

Praxis XXI Grant – Master's degree in Medical and Biological Illustration, 1999-2000

Fullbright Scholarship – Master's degree in Medical and Biological Illustration, 1998-2000

Fundação Luso-Americana Grant – Master's degree in Medical and Biological Illustration, 1998-2000

Fundação Calouste Gulbenkian Grant – Master's degree in Medical and Biological Illustration, 1998-2000