

# DIANA MARQUES

## Visual Science Communication

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## Education

**PhD candidate in Digital Media**

UT Austin–Portugal International Collaboration for Emerging Technologies | 2011–present

**Graduate Certificate Science Illustration Program**

University of California, Santa Cruz, CA | 2003–04

**Certificate Science Illustration Program**

Autonomous University of Lisbon, Institute of Arts and Crafts | 2002–03

**Applied Biology in Animal Resources Licenciatura (5 year bachelor)**

University of Lisbon, Faculty of Sciences | 1997–02

**Introduction to Drawing Certificate Program**

National Fine Arts Society, Lisbon | 1995–98

## Internships and Workshops

Communication in Museums | Casa-Museu Anastácio Gonçalves, Lisbon | Jan 2013

Towards a Total Museology | CosmoCaixa Barcelona | Apr 2012

**Experimental Animation** | Digital Media Institute

UT Austin–Portugal International Collaboration for Emerging Technologies, Porto | Jun-Jul 2011

**Digital Animation** | Fine Arts Faculty of Lisbon | Mar-Jun 2010

Autodesk Maya 3D | Corcoran College of Art+Design, Washington DC | Oct-Dec 2006

Drawing Fonts | Visual Art Design and Marketing Institute, Lisbon | Jan-Mar 2005

Blackletter Calligraphy | Washington Calligraphers Guild, Washington DC | Nov 2005

Italics Calligraphy | Society of Scribes, NY | Oct-Nov 2004

Scientific Illustration Internship | Division of Paleontology, American Museum of Natural History, NY | Sep-Nov 2004

Scientific Illustration Internship | Entomology + Crustacean Sections, Queensland Museum, Australia | Jul-Sep 2004

Biology Internship | “Fluctuating Asymmetry in two sibling species of Cicada L. (Hemiptera: Auchenorrhyncha)”  
University of Lisbon, Faculty of Sciences | 2001–02

## Experience

**Freelance Scientific Illustrator and Animator** | 2004–present

**Assistant Lecturer** | Drawing Master Program of the Fine Arts Faculty of Lisbon | Oct 2010–present

**Scientific Illustrator** | Department of Entomology, Systematic Entomology Laboratory  
Smithsonian’s National Museum of Natural History | Nov 2004–Dec 2009

**Com.En.Art Artist-in-Residence** | Huyck Preserve and Biological Research Station | Rensselaerville NY | Aug 2014

**Issue Editor** | Journal of Natural Science Illustration | Jan 2012–present

**Columnist**, Visual Nature | Visualoop | Mar 2012–present

**President** | Guild of Natural Science Illustrators Portugal Chapter | Sep 2009–present

**Local Vice-President (Portugal)** | Association Européenne des Illustrateurs Médicaux et Scientifiques |  
Mar 2010–present

**Invited Lecturer** | University of Aveiro Scientific Illustration Graduate Program | May 2012–present

**Invited Lecturer** | Higher Institute for Education and Sciences Illustration Master Program | Oct 2009–present

**Program Co-coordinator** | Guild of Natural Science Illustrators Washington DC Chapter | Jan 2008–present

## Proficiencies

Over 10 years of cumulative experience in visual science communication using traditional and digital media.

**Traditional illustration skills** using graphite, carbon dust, pen & ink, watercolor, gouache, colored pencil and acrylic.

**Digital communication skills** on both Macintosh and PC platforms using

- 2D and 3D illustration and animation software: Adobe Photoshop, Adobe Illustrator, Autodesk Maya, Blender
- video production software: Adobe Premiere, Adobe After Effects, MacCaption
- publishing software: Adobe InDesign, iBooks Author
- webdesign software: Adobe Dreamweaver, Adobe Muse, Adobe Edge, WordPress
- database software: FileMaker Pro

## Honors

Judge's Special Award 2012 | ScienceOnline Science Art Show, Raleigh NC

Judge's Special Award 2012 | Casa das Ciências, Lisbon, Portugal

First Prize Award 2012 | Ciencia en Acción, Madrid, Spain

Members Choice Award 2006 | Guild of Natural Science Illustrators Annual Exhibition, Madison WI

## Exhibitions

Beautiful Maryland | Quiet Waters Park Gallery, Annapolis MD | 2014

Anatomy of an Illustration | I Science Illustration Meeting in Southern Brazil, Florianópolis, Brazil | 2014

Anatomy Drawing | Louis Stokes Health Sciences Library, Howard University, Washington DC | 2014

5<sup>th</sup> National Meeting of Illustration | São João da Madeira, Portugal | 2013

Il-lustraciència | Sagrada Família Cathedral, Barcelona, Spain | 2012

Anatomy of an Image | Faculté de Médecine de Strasbourg, France | 2011

4<sup>th</sup> National Meeting of Illustration | São João da Madeira, Portugal | 2011

III National Exhibition of Scientific Illustration | Brazilian National Congress, Brasília, Brazil | 2010

Museo di Storia Naturale di Milano, Italy | 2009

Guild of Natural Science Illustrators 41<sup>st</sup> Annual Juried Exhibition | Fort Kent MN | 2009

Sintra Science Center, Sintra, Portugal (one-man show) | 2009

XII National Meeting of Biology Students, Braga, Portugal (one-man show) | 2008

Illustrators Club Juried Exhibition 14, Washington DC | 2008

Focus on Nature X | New York State Museum, Albany NY | 2008

Guild of Natural Science Illustrators 39<sup>th</sup> Annual Juried Exhibition | Bozeman MT | 2007

Park Show | Chico Creek Nature Center, Chico CA | 2006

Guild of Natural Science Illustrators 38<sup>th</sup> Annual Juried Exhibition | Madison WI | 2006

National Museum of Natural History, Lisbon, Portugal | 2006

Science by Photography | Cultural Center of Belém, Lisbon, Portugal | 2006

Insects and Art exhibition | Sherwell Center, University of Plymouth, UK | 2004

XI Iberian Congress of Entomology, Funchal, Portugal | 2004

XXII International Congress of Entomology, Brisbane, Australia | 2004

Museum of Natural History, Santa Cruz CA | 2004

Center of Art and Visual Communication, Lisbon, Portugal | 2003

Institute of Arts and Crafts, Autonomous University of Lisbon, Portugal | 2003

Guild of Natural Science Illustrators 33<sup>rd</sup> Annual Juried Exhibition | Bar Harbor ME | 2001

Guild of Natural Science Illustrators 32<sup>nd</sup> Annual Juried Exhibition, Évora, Portugal | 2000

University of Lisbon, Faculty of Sciences | 1999

## Selected Presentations

**When Skeletons Come to Life: augmented reality in the museum**

Association of Science-Technology Centers Conference, Albuquerque NM | 2013

**Scientific Illustration: its importance for the communication and dissemination of science**

Calouste Gulbenkian Foundation, Lisbon, Portugal | 2011

**Drawing Science** | Faculty of Fine Arts, University of Lisbon, Portugal | 2011

**Collaborating with the Smithsonian**

Association Européenne des Illustrateurs Médicaux et Scientifiques Congress, Milan, Italy | 2009

**Evolution of whales animation video for the Ocean Hall of the Smithsonian**

Guild of Natural Science Illustrators Conference, Ithaca NY | 2008

**Science illustration and nature preservation** | II Brazilian Science Illustration Meeting, Curitiba, Brazil, 2008

**Communicating science through images** | 1st Communicating Science in Portugal Meeting

Gulbenkian Institute for Science, Oeiras, Portugal | 2006

## Selected Publications

Bigio, A.; Marques, D.; Farinha, N. & Salgado, P., “**Five Centuries of Natural Science Illustration in Portugal**”  
Assírio & Alvim, Lisbon (in press)

Marques, D., “**Scientific Illustration**” Proceedings of the international colloquium Image in Science and Art,  
Calouste Gulbenkian Foundation (in press)

Marques, D., “**The Sequential Art in Science**”, Journal of Natural Science Illustration, Nov 2014

Marques, D.; Costello, R. & Azevedo, J., “**Augmented Reality Facilitating Visual Literacy for Engagement with Science in Museums**”, EVA London, 2013

Marques, D., “**Drawing Science, Knowing What to Draw**”, Proceedings of the Conference, Fine Arts Faculty of  
Lisbon, 2013

Marques, D., “**A Look at Science Illustration in Brazil**”, Guild of Natural Science Illustrators Journal, Oct 2008

Marques, D., “**The 26 Letters in Science Illustration**”, Guild of Natural Science Illustrators Newsletter, Jan 2006

Marques, D., “**The Importance of Entomological Illustration: Worth a Thousand Words**”  
XXII International Congress of Entomology, Brisbane, Australia, 2004

## Recent Conferences

I Science Illustration Meeting in Southern Brazil, Florianópolis, Brazil, 2014

Museums and the Web, Baltimore MD, 2014

5<sup>th</sup> National Meeting of Illustration, São João da Madeira, Portugal, 2013

Association of Science and Technology Centers Conference, Albuquerque NM, 2013

Electronic Visualization and the Arts, London, UK, 2013

Guild of Natural Science Illustrators Conference, Bar Harbor MN, 2013

American Alliance of Museums, Baltimore MD, 2013

I International Conference of Illustration and Animation, Ofir, Portugal, 2012

Association Européenne des Illustrateurs Médicaux et Scientifiques Congress, Strasbourg, France, 2011