# Andrew Q. Tran
Product Designer + Biomedical Communicator

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## 🎓 EDUCATION

**University of Toronto**
MSc, Biomedical Communications (2014)

**University of California, Los Angeles**
BS, Psychobiology (2007)

## ⚒ TECHNICAL EXPERIENCE

### CREATIVE TECHNOLOGY

Human-centered design process, UX, UI, interaction, visual design; research, wireframe, prototype, usability testing; storyboard, animation, compositing

**Adobe Suite**: Photoshop, Illustrator, Dreamweaver, After Effects, Flash, Fireworks, InDesign

**Front-end Dev.:** HTML5, CSS3, PHP, WordPress, jQuery, Ionic, Foundation, Bootstrap, ZenCart, Agile, git

**UI/UX:** Sketch, Balsamiq, InVision

**3D:** Maya, Mudbox, 3D-Coat, Cinema4D, autoPack, ePMV, Chimera, OsiriX

**Traditional**: Graphite, carbon dust, pen & ink, watercolor, oil painting

### BIOMEDICAL RESEARCH

Expertise and working knowledge on a wide variety of research software, preclinical imaging modalities, *in vivo* and *in vitro* techniques

**Scientific & medical knowledge**: Biochemistry, ecology, anatomy, immunology, molecular biology, neurobiology, nuclear medicine, oncology, pathology, physiology, psychology, radiology, ultrasound

## 🏆 AWARDS

**Code-a-thon Winner, Validic** (2014)
**Vesalian Scholar Award** (2014)
**Best Poster Presentation, 2nd** (2014)
**CIHR Scholarship** (2013)

## 💼 PROFESSIONAL EXPERIENCE

**UX/UI Designer** (02/2017 - **Present**)
**Vave Health, Inc.**
- Leading efforts in designing a suite of scientific software applications
- Formalizing user research, interviews, and usability tests. Implementing a comprehensive design system for software engineering team
- Designing and maintaining company's public website

**Product Designer** (12/2015 - 02/2017)
**Vave Health, Inc.**
- Designed and released a responsive mobile app for a medical imaging technology used for demos with customers, investors, and engineer testing
- Created interactive prototypes; coded front-end HTML/CSS on Ionic framework
- Developed business strategy by performing market research, conducting user interviews, and assessing the competitor landscape
- Co-wrote a multi-million dollar SBIR grant application
- Developed brand identity; designed, implementing and maintaining company website; designing, creating infographics, and illustrating for pitch decks; collaborating with industrial design firm and creative agency

**Designer + Front-end Developer** (12/2014 - 11/2015; Remote, part-time)
**AlzCare Labs** (FindMe: Personal safety beacon for Alzheimer's individuals)
We are building a virtual dementia village, empowered by our wearable technology
- **Product Design**: Animated mobile screen designs for demo video; created wireframes and mockups for mobile app UI and UX
- **Marketing**: Developed and maintained fundraising website; optimized to increase conversion using analytics and A/B testing; Illustrated and produced infographics for blog and social media; designed pitch deck

**Principal + Medical Illustrator** (2005 - **Present**)
**Kandeo Studios**
- Provide creative solutions, including medical and technical illustration, animation, web design and development, UI/UX design, graphic design, and branding
- Clients include pharmaceutical companies, biotech and tech startups, small businesses, academic laboratories and institutes, and game development studio
- Other responsibilities: Account management, project management, art direction

**Scientific Graphic Designer** (08/2014 - 07/2015)
**University of Southern California · Inst. for Neuroimaging and Informatics**
- Produced data visualizations, illustrations, 3D brain and neural networks for multi-million dollar grant applications. Work featured on major publications.
- Designed an in-house financial dashboard web app (REBL), including user research, wireframing, visual design and interactive prototype.
- Created responsive design mockups, style guides, prototypes & iconography for multiple web applications and websites

**Biomedical Researcher** (2007 - 2012 in academia, biotech, and pharma)
- Novartis Institute for Biomed. Research · Oncology-Pharmacology (2012)
- Amgen, Inc. · Metabolic Disorders · Bone Diseases (2011)
- UCLA · Molecular and Medical Pharmacology (2007 - 2011)

## 👥 COMMUNITY OUTREACH

**Mentor** (2016 - Present)
Edge Interns: healthcare, technology and collegiate mentorship

**Judge** (2010 - Present)
FBLA-PBL California State Business Leadership Conference

**Mentor** (2016)
AIG University Code-a-thon

**Mentor** (2015)
UCLA Circle K Career Development

**Judge** (2014)
Peel Region Science Animation Festival

**Volunteer** (2012)
Novartis Community Partnership Day, supporting local communities & charities

**Runner** (2010)
Honda Los Angeles Marathon
25th anniversary

**Runner** (2006 - 2009)
UCLA 5K Run/Walk,
benefiting Mattel Children's Hospital

## 🚩 LEADERSHIP POSITIONS

**Director of Branding & Promotion**
(2014) Biocommunication Academic Meetings, Toronto 2014

**Student Representative**
(2013 - 2014) Biomedical Communications Alumni Association

**Senior Design Editor** (2013 - 2014)
Institute of Medical Science Magazine

## ✳ MEMBERSHIPS

**Association of Medical Illustrators**
(2013 - 2017)

**ACM Special Interest Group on Computer Graphics (SIGGRAPH)**
(2013)

## 🎤 SYMPOSIUM PRESENTATIONS

**Tran AQ** (2016). From service to product: Medical illustration in tech. *Association of Medical Illustrators Annual Meeting*, Atlanta, GA. (International)

**Tran AQ** (2016). From service to product: Medical illustration in tech. *Guild of Natural Science Illustrators Conference & Annual Meeting*, Santa Cruz, CA.

**Tran AQ,** De Koninck Y, Corrin MC, Dryer M (2014). Beyond the diffraction barrier: An overview of super-resolution microscopy as applied to neurobiology. *Association of Medical Illustrators Annual Meeting*, Rochester, MN. (International, Presentation & Poster)

**Tran AQ**, De Koninck Y, Corrin MC, Dryer M (2014). Beyond the diffraction barrier: An introductory 3D animation and an interactive module of super-resolution microscopy as applied to neurobiology. *University of Toronto Mississauga Research Excellence Celebration*, Mississauga, ON, Canada. (Poster)

Lee JT*, Wong K-P, Yang Y, **Tran AQ**, Satuamurthy N, Phelps ME, Schiepers C, Czernin J, Huang S-C, Radu CG (2010). Kinetics of 18F-FAC and L- 18F-FMAC PET probes for imaging nucleoside salvage metabolism. *Society of Nuclear Medicine 57th Annual Meeting*, Salt Lake City, UT. (Poster)

## 📑 PUBLICATIONS

Schwarzenberg J, Radu CG, Benz M, Fueger B, **Tran AQ**, Phelps ME, Schiepers C (2011). *Human biodistribution and radiation dosimetry of novel PET probes targeting the deoxyribonucleoside salvage pathway.* European journal of nuclear medicine and molecular imaging, 38(4), 711-721. (**Tran AQ**: all illustrations)

Shu CJ, Campbell DO, Lee JT, **Tran AQ**, Wengrod JC, Witte ON, Radu CG (2010). *Novel PET probes specific for deoxycytidine kinase.* Journal of Nuclear Medicine, 51(7), 1092-1098. (**Tran AQ**: 1 illustration)

## 🖼 SELECTED PUBLISHED ILLUSTRATIONS

Toga AW (2015). *Brain Mapping: An Encyclopedic Reference*. Burlington: Elsevier Science. (**Tran AQ**: cover image)

Pennisi E (2015). *Eight genes that make us brainiacs.* Science. (**Tran AQ**: cover image)

Hall J, Premji A (2015). *Toronto Notes 2015: Comprehensive Medical Reference and Review for MCCQE and USMLEII.* (**Tran AQ**: 2 illustrations)

Ng QKT, Olariu CI, Yaffee M, Taelman VF, Marincek N, Krause T, Meier L, Walter, MA (2014). Indium-111 labeled gold nanoparticles for in-vivo molecular imaging. *Biomaterials*, 35(25), 7050-7057. (**Tran AQ**: 1 illustration)

Vojvodic M, Young A (2014). *Toronto Notes 2014: Comprehensive Medical Reference and Review for MCCQE and USMLEII.* (**Tran AQ**: 3 illustrations and all icons)

Yaghoubi SS, Campbell DO, Radu CG, Czernin J (2012). Positron emission tomography reporter genes and reporter probes: gene and cell therapy applications. *Theranostics*, 2(4), 374. (**Tran AQ**: 1 illustration)