SYDNEY AGGER

3D BIOMEDICAL ANIMATOR / ILLUSTRATOR

www.aggerillustration.com | 617.417.9005 | sydneyagger@gmail.com

SKILLS

3D MODELING/ANIMATION
Cinema 4D
Autodesk 3ds Max
XParticles
Maxon Zbrush
Maxon Universe & Red Giant
Adobe After Effects
Renderers:
Redshift, Arnold & Vray

DIGITAL ILLUSTRATION
Adobe Creative Suite

MOLECULAR VISUALIZATION
Protein Data Bank (PDB)
Visual Molecular Dynamics

GENERAL
3D and 2D Animation
3D Modeling
Motion Graphics
Graphic Design
Digital Illustration
Molecular Visualization
Storyboarding

HONORS + AWARDS

AWARD OF MERIT
AMI Salon
Surg/Clin Illustration • 2021

FIRST PLACE, PEOPLE'S CHOICE
Vesalius Trust-A-Thon
$1,953 raised
Team Studio Bivly • 2021

EDUCATION

M.S. BIOMEDICAL VISUALIZATION • 2020 - 2022
Masters Research: *The Influence of Textual Elements in 3D Animation for a Medical Student Audience*
University of Illinois at Chicago • GPA: 4.0

B.A. BIOLOGY WITH HONOR • 2012 - 2016
Minor: Psychology
Thesis Research: *The role of caspase DRONC in tissue remodeling of the larval fat body during Drosophila melanogaster metamorphosis*
Mount Holyoke College • GPA: 3.27

EXPERIENCE

3D and Science Visualization Animator • 2022 - Present
Prose on Pixels, Havas Network

- Crafted high-quality 3D MOA/MOD animations for patient, HCP, and Consumer audiences.
- Created detailed 3D assets for use in digital, print, interactive, and web campaigns.
- Designed storyboards to visually outline and plan animated and live-action production.
- Explored novel Generative AI workflow tools and developed portfolio material for business growth.
- Advised and collaborated with creative agencies to craft engaging and accurate scientific stories for client pitches and bids.
- Facilitated communication between agency teams and medical directors, providing solutions to enhance both creative vision and scientific accuracy.
- Collaborated regularly with different producers and cross-functional teams to meet client objectives and expectations.

GRAPHIC DESIGNER AND WEBSITE COORDINATOR • 2021 - 2022
Department of Obstetrics and Gynecology, UIC

- Designed print materials for faculty affairs and patient education.
- Maintained department website and proposed site-wide updates to improve accessibility and user experience.
- Worked closely with doctors, and clinical research coordinators

RESEARCH FELLOW/LAB MANAGER • 2016 - 2020
Circuit Repair Laboratory, Burke Neurological Institute

- Managed lab operations and maintained mouse colony.
- Created scientific illustrations for grant applications and publications.
- Developed behavioral training protocols to assess mouse models of spinal cord injury.

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SELECTED ART PUBLICATIONS + EXHIBITIONS

Agger, S. (2021). Cover Illustration. *The American Journal of Bioethics, 21*(7), 4-20, https://doi.org/10.1080/15265161.2020.1863515

Li, Y. & Hollis, E. (2021). Basal Forebrain Cholinergic Neurons Selectively Drive Coordinated Motor Learning in Mice. *The Journal of Neuroscience, 41*(49), 10148–10160. https://doi.org/10.1523/JNEUROSCI.1152-21.2021

Alim, I., Caul ield, JT., Chen, Y., et al. (2019). Selenium Drives a Transcriptional Adaptive Program to Block Ferroptosis and Treat Stroke. *Cell, 177*(5), 1262-1279. https://doi.org/10.1016/j.cell.2019.03.032

Hill, C. (2016). A view from the ending: Axonal dieback and regeneration following SCI. *Neuroscience Letters. 652*. https://doi.org/10.1016/j. neulet.2016.11.002

SCIENTIFIC PUBLICATIONS + ABSTRACTS

Serradj, N., Marino, F., Moreno-López, Y. et al. (2023). Task-specific modulation of corticospinal neuron activity during motor learning in mice. *Nat Communications*, 14, 2708. https://doi.org/10.1038/s41467-023-38418-4

Jara, J. S., **Agger, S.**, & Hollis, E. R. (2020). Functional electrical stimulation and the modulation of the axon regeneration program. *Frontiers in Cell and Developmental Biology*, 8, 736. https://doi.org/10.3389/fcell.2020.00736

Serradj, N., **Agger, S.**, Hollis II, E.. (2016). Corticospinal circuit plasticity in motor rehabilitation from spinal cord injury. *Neuroscience Letters*, 652, 94-104. https://doi.org/10.1016/j.neulet.2016.12.003

Agger, S., Serradj, N., Meyers, E., Sloan, A.,Hollis, E. A supination task to assess corticospinal function in mice. Society for Neuroscience, Chicago IL. 10/22/2019