

Curriculum Vitae

Yih-Shiuan Lin (林易萱), PhD

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EDUCATION

- 05/2017 – 12/2022** **University of Regensburg, Experimental Psychology, PhD**
Advisors: Prof. Dr. Mark W. Greenlee (P.I.) & Dr. Maka Malania
Thesis title: *Lateral modulation in center-surround sinusoidal gratings: divisive inhibition and neural mechanism of perceptual filling-in*
- 09/2014 – 08/2016** **National Taiwan University, Psychology, Master of Science | GPA: 4.26/4.30**
Advisor: Prof. Dr. Chien-Chung Chen (P.I.)
Thesis title: *The role of color contrast gain control in global form perception*
Graduation award: Dean's Award (top three Master's theses)
- 09/2010 – 06/2014** **National Taiwan University, Psychology, Bachelor of Science | GPA: 4.20/4.30**
Advisor: Prof. Dr. Su-Ling Yeh (P.I.)
Project title: *Can the SNARC Effect Survive Crowding? Exploring Unconscious Processing of Numerical Stimuli*
Graduation awards: 6 times Presidential Award, Dean's Award.

AWARDS AND GRANTS

- 10/2024 – 09/2025** **UR Potentials – Early Independence**
08/2024 **Travel Award and Best Poster (non-OptiVisT ESRs) at OptiVisT's closing conference**
- 08/2021 – 07/2022** **2021 Taiwanese Overseas Pioneers Grants (TOP Grants)**
05/2021 **VSS 2021 FoVea Travel and Networking Award**
- 05/2017 – 06/2022** **DAAD Research Grants – Doctoral Programmes in Germany 2017/18**
05/2016 **Outstanding Students Conference Travel Grant (Foundation for the Advancement of Outstanding Scholarship) for VSS 2016**
- 04/2013 – 03/2014** **MOST (ministry of science and technology) undergraduate project**

PUBLICATIONS

Journal Papers

- **Lin, Y. S.**, Chen, C. C., & Greenlee, M. W. (2025). The spatial and temporal properties of the contour erasure effect and perceptual filling-in. *Journal of Vision*, 25(14), 4-4. <https://doi.org/10.1167/jov.25.14.4>.
- Malania, M., **Lin, Y. S.**, Hörmandinger, C., Werner, J. S., Greenlee, M. W., Plank, T. (2024). Training-induced changes in population receptive field properties in visual cortex: Impact of eccentric vision training on population receptive field properties and the crowding effect. *Journal of Vision*, 24(5), 7-7. <https://doi.org/10.1167/jov.24.5.7>
- **Lin, Y. S.**, Chen, C. C., & Greenlee, M. W. (2022). Neural correlates of lateral modulation and perceptual filling-in in center-surround radial sinusoidal gratings: an fMRI study. *Scientific Reports*, 12(1), 1-14. <https://doi.org/10.1038/s41598-022-20592-y>
- **Lin, Y. S.**, Lin, L., & Chen, C. C. (2022). The role of color contrast gain control in global form perception. *Journal of Vision*, 22(6), 11-11. <https://doi.org/10.1167/jov.22.6.11>

- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2022). The role of lateral modulation in orientation-specific adaptation effect. *Journal of Vision*, 22(2), 13-13. <https://doi.org/10.1167/jov.22.2.13>
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2020). Lateral modulation of orientation perception in center-surround sinusoidal stimuli: divisive inhibition in perceptual filling-in. *Journal of Vision*, 20(9), 5-5. <https://doi.org/10.1167/jov.20.9.5>
- Lin, Y. S., Cho, P. C., & Chen, C. C. (2017). Contrast gain control determines global form percept in tripole Glass patterns. *Journal of Vision*, 17(5), 2-2. <https://doi.org/10.1167/17.5.2>

Conference Presentations

- Lin, Y. S., Castellotti, S., Del Viva, M., Chen, C. C., & Greenlee, M. W. (2025, Aug). *Contour erasure facilitates artificial scotoma filling-in*. Oral session presented at **ECVP 2025**, Mainz, Germany.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2025, Aug). *Contour Erasure and Filling-in*. Demo session presented at **VSAC 2025**, Wiesbaden, Germany.
- Lin, Y. S., Castellotti, S., Del Viva, M., Chen, C. C., & Greenlee, M. W. (2025, May). *The effect of contour erasure on artificial scotoma filling-in*. Poster session presented at **VSS 2025**, Florida, USA.
- Lin, Y. S., Greenlee, M. W. & Chen, C. C., (2024, August). *Neural correlates of contour erasure as revealed by MEG*. Poster session presented at **ECVP 2024**, Aberdeen, UK.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2023, May). *Contour erasure affects the contrast threshold for grating targets*. Poster session presented at **VSS 2023**, Florida, USA.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2022, Aug). *The contour erasure effect on contrast discrimination*. Oral session presented at **ECVP 2022**, Nijmegen, the Netherlands.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2022, May). *Contour erasure increases the target threshold in a 2AFC contrast discrimination task*. Poster session presented at **VSS 2022**, Florida, USA.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2021, Aug). *Divisive inhibition model explains the orientation-specific lateral modulation effect in center-surround sinusoidal stimuli in the periphery*. Oral session presented at **ECVP 2021** (online conference).
- Lin, Y. S., Greenlee, M. W., & Malania, M. (2021, May). *Does the training on a visual crowding task alter the population receptive field estimates?* Poster session presented at **V-VSS 2021**.
- Lin, Y. S., Chen, C. C., & Greenlee, M. W. (2020, Jun). *Neural Correlates of Perceptual Filling-In as Measured by Functional Magnetic Resonance Imaging*. Poster session presented at **V-VSS 2020**.
- Lin, Y. S., Chen, C. C. & Greenlee M. W. (2019, Dec). *Tilt aftereffect (TAE) induced by perceptual filling-in*. Poster session presented at the 5th NTU-Kyoto University International Symposium for Human Science (**NK 2019**), Taipei, Taiwan.
- Lin, Y. S., Chen, C. C. & Greenlee M. W. (2019, Jul). *Divisive inhibition determines orientation discrimination threshold after adaptation to center-surround sinusoidal stimuli*. Oral session presented at **APCV 2019**, Osaka, Japan.
- Lin, Y. S., Chen, C. C. & Greenlee M. W. (2019, May). *Lateral modulation of orientation discrimination of center-surround sinusoidal stimuli in peripheral vision*. Poster session presented at **VSS 2019**, Florida, USA.
- Lin, Y. S., Chen, C. C. & Greenlee M. W. (2018, Aug). *Lateral inhibition linked to perceptual filling-in of sinusoidal annulus*. Poster session presented at **ECVP 2018**, Trieste, Italy.
- Lin, Y. S. & Chen, C. C. (2017, Aug). *Hierarchical processing in tripole Glass pattern perception*. Poster session presented at **ECVP 2017**, Berlin, Germany.
- Lin, Y. S. & Chen, C. C. (2016, Sep). *The Effect of Color Contrast on Glass Pattern Perception*. Poster session presented at **Seeing Colors 2016**, Regensburg, Germany.
- Lin, Y. S. & Chen, C. C. (2016, Aug). *The role of color contrast gain control in global form perception*. Poster session presented at **ECVP 2016**, Barcelona, Spain.
- Lin, Y. S. & Chen, C. C. (2016, May). *Local contrast gain control determines global form percept in Glass pattern*. Poster session presented at **VSS 2016**, Florida, USA.

TEACHING EXPERIENCES

10/07/2025	Guest Lecture: From Visual Illusion to Vision Research . M19.3 Cognitive Neuroscience by Federica Danaj. University of Regensburg.
03/07/2025	Guest Lecture: Poster 101: Communicate Your Science . M03.2 ExPra 13.PG by Dr. Zimmermann Marius. University of Regensburg.

19/03/2025

Invited Talk: **From visual ILLUSION to vision RESEARCH: neural mechanism of contour erasure.** Department of Psychology Seminar. National Taiwan University.

WORK EXPERIENCES

- 01/2023 – 09/2025** **Postdoctoral Researcher**, University of Regensburg, Department of Experimental Psychology (P.I. Prof. Dr. Mark W. Greenlee). **DFG Grant No. GR988-27-1.**
- 10/2022 – 09/2025** **Working Group Manager**, University of Regensburg, Department of Experimental Psychology (P.I. Prof. Dr. Mark W. Greenlee).
- 05/2017 – 06/2022** **Research/Teaching Assistant**, University of Regensburg, Department of Experimental Psychology (P.I. Prof. Dr. Mark W. Greenlee).
- 09/2014 – 08/2016** **Graduate Research/Teaching Assistant**, National Taiwan University, Department of Psychology (P.I. Prof. Dr. Chien-Chung Chen).
- 09/2010 – 06/2014** **Undergraduate Research Assistant**, National Taiwan University, Department of Psychology (P.I. Prof. Dr. Su-Ling Yeh).

SKILLS AND ABILITIES

Programming: MATLAB, Python, R, C/C++, Shell scripts (Unix), JavaScript
Experiment techniques: Psychophysics, fMRI, EEG/MEG, Eye-tracking, Online experiments
Language: Mandarin Chinese (native), English (fluent), German (intermediate)
Certificates: Mental Health First Aider, 2023

PUBLIC OUTREACH

- 11/2024 – 05/2025** **Organizer/Moderator of Pint of Science Regensburg 2025**
- 09/04/2025** Invited Public Lecture: **Visual Illusion and Visual Neuroscience: Seeing is not believing.** Rotary International District 3841.

EXTRACURRICULAR ACTIVITIES

- 05/2022 – present** **Trainer of Ace Your Mental Health in Science Workshop:** University of Regensburg, Germany.
- 01/2022 – 05/2023** **Speaker of LaProBay:** Network of Doctoral Representatives in Bavaria, Germany.
- 10/2021 – 09/2022** **Doctoral representative:** Center for Graduate & Postgraduate Researchers, University of Regensburg.
- 07/2018 – 03/2022** **President of Taiwanese Student Association:** Regensburg, Germany.
- 11/2016 – 12/2016** **Organizer of the “Heart Escape” escape room game:** Taipei First Girl High School, Taipei, Taiwan
- 10/2015 – 01/2016** **Organizer of Community Group Therapy:** Owl Community Center, Taipei, Taiwan.
- 09/2013 – 09/2014** **Editor of Department Magazine:** Department of Psychology, National Taiwan University.
- 09/2013 – 09/2014** **Club Leader:** The International Roots & Shoots, National Taiwan University.
- 09/2010 – 08/2015** **Clarinetist:** National Taiwan University Wind Band.

Regensburg, 26.01.2026

林易萱