

Curriculum Vitae

Yih-Shiuan Lin (林易萱), PhD

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EDUCATION

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