

Louise M. Ince, PhD

Email: louise.ince@austin.utexas.edu
Phone: +1 512 351 1895
Twitter: @LM_Ince
Orcid: orcid.org/0000-0002-2093-0876
Website: <http://lab.ince.live>

Division of Pharmacology & Toxicology
College of Pharmacy
University of Texas at Austin
107 W Dean Keeton St BME 3.513B
Austin, TX, 78712

Education and Training

01/21 -	<u>Research Associate</u>	<u>The University of Texas at Austin, TX, USA</u>
	Lab: Dr. Laura Fonken	
	<ul style="list-style-type: none">▪ Neuroimmune and behavioral consequences of microglia-specific circadian clock disruption▪ Diurnal rhythms at neuroimmune interfaces (choroid plexus, meninges)▪ Effects of time-restricted feeding on neuroimmune function and behavior in aging	
10/18 - 12/20	<u>Senior Postdoctoral Researcher</u>	<u>Université de Genève, Geneva, Switzerland</u>
	Lab: Prof. Christoph Scheiermann	Lab relocation
06/15 - 09/18	<u>Postdoctoral Researcher</u>	<u>Ludwig-Maximilians-Universität, Munich, Germany</u>
	Lab: Prof. Christoph Scheiermann	
	<ul style="list-style-type: none">▪ Role of circadian rhythms in adaptive immunity for generating optimal vaccination responses	
09/11 - 03/15	<u>PhD Neuroscience</u>	<u>The University of Manchester, UK</u>
	Advisors: Prof. Andrew Loudon, Prof. David Ray & Dr. Julie Gibbs	
	‘Circadian rhythms in glucocorticoid signaling and pulmonary inflammation’	
09/10 - 08/11	<u>MRes Integrative Biology</u>	<u>The University of Manchester, UK</u>
09/07 - 06/10	<u>BSc (Hons) Cognitive Neuroscience & Psychology</u>	<u>The University of Manchester, UK</u>

Research Grants

Current

2022	NIH R01	PI: Dr. Laura Fonken	\$ 2,000,000
	<u>Role: Co-Investigator</u>		
	‘Disrupted circadian regulation of cell migration at CNS-immune interfaces in aging and Alzheimer’s disease’		
		R01AG078758	

Submitted

2022	NIH R21	PI: Prof. James Curley	\$ 275,000
	<u>Role: Key Personnel</u>		
	‘Effects of social status on immune functioning’		
	In revision following scientific review		

Completed

03/20-03/21	Novartis Foundation	PI: Prof. Christoph Scheiermann	CHF 60,000
	<u>Role: Key Personnel</u>		
	‘Optimizing immunization responses against Hepatitis A by circadian timing’		

Honors and Awards

- 2021 **BrightFocus Foundation**
Alzheimer's Fast Track Mock Grant Award winner, team 'Therapeutic Interventions'
- 2018 **Salk Institute/Fondation Ipsen/Science**
Travel award (Symposium on Biological Complexity, Salk Institute)
- 2018 **Society for Research on Biological Rhythms**
Vanda Pharmaceuticals Research Merit Award (& travel grant)
- 2017 **Immunity** Journal cover, January edition
- 2014 **British Society for Neuroendocrinology** Travel award (SRBR conference)
- 2014 **British Society for Immunology** Travel award (SRBR conference)
- 2014 **Society for Endocrinology** Travel award (British Endocrine Symposium)
- 2014 **Neuroscience Research Institute** Top-up funds for public engagement activities
- 2014 **Society for Research on Biological Rhythms**
Reset Therapeutics Research Merit Award (& travel grant)
- 2014 **Society for Research on Biological Rhythms** 2nd place SRBR 2014 Logo Competition
- 2013 **UK Clock Club** Best Poster, winter meeting
- 2013 **Society for Endocrinology** Travel award (EBRS congress)
- 2013 **Society for Research on Biological Rhythms**
Travel Fellowship (Vanderbilt Chronobiology Summer School)
- 2013 **Neuroscience Research Institute** Public Engagement Grant

Publications

Google scholar: <http://papers.ince.live>

* denotes co-first authorship, # denotes corresponding authorship

In revision

- 1) **Ince LM***, Barnoud C*, Lutes LK, Pick R, Wang C, Sinturel F, Chen C, de Juan A, Weber J, Holtkamp SJ, Hergenhan SM, Geddes-McAlister J, Ebner S, Fontannaz P, Meyer B, Vono M, Jemelin S, Dibner C, Siegrist C-A, Meissner F, Graw F, Scheiermann C. (in revision) [Benefit of circadian clocks in adaptive immunity and vaccination responses](#). *Nature Communications*.
- 2) Wang C, Barnoud C, Kizil B, Cenerenti M, Caffa I, Bill R, Liu Y, Pick R, Sun M, Garnier L, Gkoutidi OA, **Ince LM**, Holtkamp S, Fournier N, Michielin O, Speiser DE, Hugues S, Nencioni A, Pittet MJ, Jandus C, Scheiermann C. (in revision) [Dendritic cells direct circadian anti-tumor immune responses](#). *Nature*.
- 3) **Ince LM#**, Simpkins D, Gibbs JE. (in revision) [Circadian disruption and immune function](#). In: Nelson R & Fonken L (eds) *Biological Implications of Circadian Disruption: A Modern Health Challenge*.

Published journal articles

- 1) **Ince LM**. (2022) [Introduction to biological rhythms: a brief history of chronobiology and its relevance to parasite immunology](#). *Parasite Immunology*, 44:e12905. doi:10.1111/pim.12905.
- 2) Holtkamp S, **Ince L**, Barnoud C, Schmitt M, Piorz V, Sinturel F, Pick R, Jemelin S, Mühlstädt M, Boehncke W-H, Weber J, Laubender D, Philippou-Massier J, Chen C, Holtermann L, Vestweber D, Sperandio M, Schraml B, Halin C, Dibner C, Oster H, Renkawitz J, Scheiermann C. (2021) [Circadian clocks guide dendritic cells into skin lymphatics](#). *Nature Immunology*, 22(11):1375-1381. doi: 10.1038/s41590-021-01040-x

- 3) Chen C, Weber J, Holtkamp SJ, **Ince LM**, de Juan A, Wang C, Lutes L, Barnoud C, Kizil B, Hergenhan SM, Salvermoser J, Lasch M, Deindl E, Schraml B, Baumjohann D, Scheiermann C. (2021) [Loss of direct adrenergic innervation after peripheral nerve injury causes lymph node expansion through IFN- \$\gamma\$](#) . *Journal of Experimental Medicine*, 218(8):e20202377. doi: 10.1084/jem.20202377
- 4) West AC, Mizoro Y, Wood SH, **Ince LM**, Iversen M, Jørgensen EH, Nome T, Sandve SR, Martin SAM, Loudon ASI, Hazlerigg DG. (2021) [Immunologic profiling of the Atlantic salmon gill by single nuclei transcriptomics](#). *Frontiers in Immunology*, 12:1480. doi: 10.3389/fimmu.2021.669889
- 5) Sengupta S, **Ince L**, Sartor F, Borrmann H, Zhuang X, Naik A, Curtis A, McKeating J. (2021) [Clocks, viruses, and immunity: lessons for the COVID-19 pandemic](#). *Journal of Biological Rhythms*, 36:23-34. doi: 10.1177/0748730420987669
- 6) **Ince LM**[#], Weber J, Scheiermann C.[#] (2019) [Control of leukocyte trafficking by stress-associated hormones](#). *Frontiers in Immunology*, 9:3143. doi: 10.3389/fimmu.2018.03143
- 7) de Juan A, **Ince LM**, Pick R, Chen C, Molica F, Zuchtriegel G, Wang C, Zhang D, Druzd D, Hessenauer M, Pelli G, Kolbe I, Oster H, Prophete C, Hergenhan SM, Albrecht U, Ripperger J, Montanez E, Reichel CA, Soehnlein O, Kwak BR, Frenette PS, Scheiermann C. (2019) [Artery-associated sympathetic innervation drives rhythmic vascular inflammation of arteries and veins](#). *Circulation*, 140:1100-1114. doi: 10.1161/CIRCULATIONAHA.119.040232
- 8) **Ince LM**^{*}, Zhang Z^{*}, Beesley S, Vonslow R, Saer B, Matthews L, Begley N, Gibbs JE, Ray D, Loudon A. (2019) [Circadian variation in pulmonary inflammatory responses is independent of rhythmic glucocorticoid signaling in airway epithelial cells](#). *FASEB Journal*, 33(1):126-139. doi: 10.1096/fj.201800026RR
- 9) Caratti G, Poolman T, Hurst RJ, **Ince L**, Knight A, Krakowiak K, Durrington HJ, Gibbs J, Else KJ, Matthews LC, Ray DW. (2019) [Caveolin1 interacts with the glucocorticoid receptor in the lung but is dispensable for its anti-inflammatory actions in lung inflammation and *Trichuris muris* infection](#). *Scientific Reports*, 9(1):1-13. doi: 10.1038/s41598-019-44963-0
- 10) Scheiermann C, Gibbs JE, **Ince L**, Loudon A. (2018) [Clocking in to immunity](#). *Nature Reviews Immunology*, 18:423-437. doi: 10.1038/s41577-018-0008-4
- 11) He W, Holtkamp S, Hergenhan SM, Kraus K, de Juan A, Weber J, Bradfield P, Grenier J, Pelletier J, Druzd D, Chen C, **Ince LM**, Bierschenk S, Pick R, Sperandio M, Aurrand-Lions M, Scheiermann C. (2018) [Circadian expression of migratory factors establishes lineage-specific signatures that guide the homing of leukocyte subsets to tissues](#). *Immunity*, 49(6):1175-1190. doi: 10.1016/j.immuni.2018.10.007
- 12) **Ince LM**^{*}, Pariollaud M^{*}, Gibbs JE. (2018) [Lung physiology and defense](#). *Current Opinion in Physiology*, 5:9–15. doi: 10.1016/j.cophys.2018.04.005
- 13) Caratti G, Iqbal M, Hunter L, Kim D, Wang P, Vonslow R, Begley N, Tetley A, Woodburn J, Pariollaud M, Maidstone R, Donaldson I, Zhang Z, **Ince LM**, Kitchen G, Baxter M, Poolman T, Daniels D, Stirling D, Broucker C, Gonzalez F, Loudon A, Bechtold D, Rattray M, Matthews L, Ray D. (2018) [REV-ERB \$\alpha\$ confers circadian control to glucocorticoid action](#). *Journal of Clinical Investigation*, 128(10):4454-4471. doi: 10.1172/JCI96138
- 14) Druzd D^{*}, Matveeva O^{*}, **Ince L**, Harrison U, He W, Schmal C, Herzel H, Tsang AH, Kawakami N, Leliavski A, Uhl O, Yao L, Sander LE, Chen C, Kraus K, de Juan A, Hergenhan SM, Ehlers M, Koletzko B, Haas R, Solbach W, Oster H, Scheiermann C. (2017) [Lymphocyte circadian clocks control lymph node trafficking and adaptive immune responses](#). *Immunity*, 46(1):120–132. doi: 10.1016/j.immuni.2016.12.011
- 15) Yang N, Caratti G, **Ince LM**, Poolman TM, Trebble PJ, Holt CM, Ray DW, Matthews LC. (2014) [Serum cholesterol selectively regulates glucocorticoid sensitivity through activation of JNK](#). *Journal of Endocrinology*, 223(2):155-66. doi: 10.1530/JOE-14-0456

- 16) Gibbs J, **Ince L**, Matthews L, Mei J, Bell T, Yang N, Saer B, Begley N, Poolman T, Pariollaud M, Farrow S, DeMayo F, Hussell T, Worthen GS, Ray D, Loudon A. (2014) [An epithelial circadian clock controls pulmonary inflammation and glucocorticoid action](#). *Nature Medicine*, 20(8):919-26. doi: 10.1038/nm.3599

Book chapters

- 1) De Juan A, Druzd D, **Ince L**, Scheiermann C. (2016) [Regulation of immunity by the circadian clock](#). In: Gumz M. (eds) *Circadian Clocks: Role in Health and Disease*. p251-266. doi: 10.1007/978-1-4939-3450-8_9

Pre-prints

- 1) Gabb VC, **Ince LM**, Rudd S, Coulthard E. (2022) [Measuring circadian rhythms in patients with dementia: protocol for a scoping review](#). *medRxiv*, doi:10.1101/2022.06.06.22275886

Invited Talks

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|------|---|--------------------------------------|
| 2022 | The University of Manchester (Division of Immunology, Immunity to Infection & Respiratory Medicine; Division of Neuroscience and Experimental Psychology) | Manchester, UK |
| | 'Circadian regulation of neuroimmune function: implications for aging, cognition, and behavior' | |
| 2022 | Society for Light Treatment and Biological Rhythms (SLTBR Annual Meeting) | Manchester, UK |
| | 'Circadian regulation of neuroimmune function: implications for cognition and behavior' | |
| 2022 | The University of Texas at Austin (Immunology Research Interest Group) | Austin, TX, USA |
| | 'Circadian rhythms in neuroimmune function' | |
| 2020 | The University of Texas at Austin (Fonken lab, College of Pharmacy) | Austin, TX, USA |
| | 'Timing matters: daily rhythms in immune function' | |
| 2020 | European Biological Rhythms Society (Chronobiology of COVID-19 workshop) | Virtual |
| | Discussion panel/trainee contributor | |
| 2019 | European Biological Rhythms Society (EBRS Biennial meeting) | Lyon, France |
| | 'Choreographing immunity: a role for the circadian clock' | |
| 2019 | Swiss Vascular Research Symposium (Annual Meeting) | Lucerne, Switzerland |
| | 'Diurnal variation in leukocyte trafficking and adaptive immune responses' | |
| 2019 | Université de Genève (Department of Pathology & Immunology Annual Retreat) | Annecy, France |
| | 'Circadian regulation of adaptive immunity' | |
| 2018 | University of Colorado Boulder (Wright lab, Sleep and Chronobiology Laboratory) | Boulder, CO, USA |
| | 'Temporal variation in innate and adaptive immunity' | |
| 2018 | Stanford University (Zeitler lab, Stanford Center for Sleep Sciences and Medicine) | Stanford, CA, USA |
| | 'Temporal variation in innate and adaptive immunity' | |
| 2017 | Collaborative Research Centre SFB914 (Annual Retreat):
Trafficking of Immune Cells in Inflammation, Development, and Disease | Oberurg, Austria |
| | 'Circadian control of the adaptive immune response' | |
| 2014 | Ludwig-Maximilians-Universität (Scheiermann lab, Walter Brendel Center for Experimental Medicine) | Munich, Germany |
| | 'Circadian rhythms in glucocorticoid signaling and pulmonary inflammation' | |
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Conference Presentations

* denotes oral presentation

[†] undergraduate/graduate trainee

Ince LM, Darling J, Prabhakar A, Chen R, Carlson ER, Manem K[†], Sridar S, Dabak AA[†], Fonken LK. (2022) Time-restricted feeding reduces neuroinflammation and improves social behavior in aged mice. San Diego, CA, USA: Society for Neuroscience Annual Meeting

Ince LM, Davis LK[†], Greenough EK, Dabak AA[†], Manem K[†], Gaudet AD, Fonken LK. (2022) Clocks at the neuroimmune interface: diurnal rhythms in neuroinflammatory signaling are disrupted with aging and microglia-specific Bmal1 deletion. Austin, TX, USA: The University of Texas at Austin Center for Molecular Carcinogenesis and Toxicology Annual Symposium

Ince LM, Davis LK[†], Greenough EK, Dabak AA[†], Manem K[†], Gaudet AD, Fonken LK. (2022) Clocks at the neuroimmune interface: diurnal rhythms in neuroinflammatory signaling are disrupted with aging and microglia-specific Bmal1 deletion. Amelia Island, FL, USA: Society for Research on Biological Rhythms (SRBR) Biennial Meeting

Ince LM, Davis LK[†], Greenough EK, Dabak AA[†], Manem K[†], Gaudet AD, Fonken LK. (2022) Clocks at the neuroimmune interface: diurnal rhythms in neuroinflammatory signaling are disrupted with aging and microglia-specific Bmal1 deletion. Austin, TX, USA: The University of Texas at Austin Pharmacy Research Day

* **Ince L**, Weber J, Pick R, Chen C-S, Holtkamp S, Hergenhan S, de Juan A, Scheiermann C. (2019) Mechanisms shaping rhythmicity in adaptive immune function. Munich, Germany: German Society of Immunology (DGfI) Annual Meeting

* **Ince L**, Holtkamp S, Weber J, Hergenhan S, Chen C-S, de Juan A, Druzd D, He W, Scheiermann C. (2018) Orchestral manoeuvres in the light-dark: diurnal variation in adaptive immunity. Rehovot, Israel: Weizmann Institute of Science Timelines in Biology: From a Solo Recital to a Full Orchestra

Ince L, Chen C-S, de Juan A, Weber J, Druzd D, He W, Scheiermann C. (2018) Circadian regulation of adaptive immunity. Fribourg, Switzerland: Swiss Clock Club Annual Meeting

Ince L, Chen C-S, de Juan A, Weber J, Druzd D, He W, Scheiermann C. (2018) Circadian regulation of adaptive immunity. Wurzburg, Germany: German Clock Club Annual Meeting

* **Ince LM**, Chen C-S, de Juan A, Weber J, Druzd D, He W, Scheiermann C. (2018) Coordinated immune cell oscillations drive diurnal variation in adaptive immunity. Amelia Island, FL, USA: Society for Research on Biological Rhythms (SRBR) Biennial Meeting

Ince L, Chen C-S, de Juan A, Weber J, Druzd D, He W, Scheiermann C. (2018) Circadian regulation of adaptive immunity. San Diego, CA, USA: Salk Institute, Fondation IPSEN, and Science Annual Symposium on Biological Complexity

* **Ince LM**, Druzd D, He W, Chen C-S, Harrison U, Yao L, Kawakami N, Sander LE, Haas R, Scheiermann C. (2017) Circadian regulation of the adaptive immune response. Amsterdam, Netherlands: European Biological Rhythms Society (EBRS) Biennial Meeting

* **Ince L**, Druzd D, He W, Chen C-S, Harrison U, Yao L, Kawakami N, Sander LE, Haas R, Scheiermann C. (2017) Circadian control of the adaptive immune response. Munich, Germany: German Clock Club Annual Meeting

Ince L, Druzd D, He W, Chen C-S, Harrison U, Yao L, Kawakami N, Sander LE, Haas R, Scheiermann C. (2017) Circadian regulation of the adaptive immune response. Erlangen, Germany: German Society of Immunology (DGfI) Annual Meeting

* **Kearney LM**, Gibbs JE, Yang N, Farrow SN, Ray DW, Loudon ASI. (2014) Circadian resonance between adrenal glucocorticoid signals and the target cell clock is essential for normal immunological responses. Big Sky, MT, USA: Society for Research on Biological Rhythms (SRBR) Biennial Meeting

Kearney L, Gibbs J, Farrow S, Ray D, Loudon A. (2014) Increased lipopolysaccharide-induced neutrophilia in mice lacking the glucocorticoid receptor in bronchial epithelial (Clara) cells. Liverpool, UK: Society for Endocrinology British Endocrine Symposium (BES) Annual Meeting

Kearney LM, Gibbs JE, Farrow SN, Ray DW, Loudon ASI. (2013) Circadian rhythms and lung inflammation: a role for glucocorticoids. Manchester, UK: UK Clock Club Winter Meeting

Kearney LM, Gibbs JE, Farrow SN, Ray DW, Loudon ASI. (2013) Circadian rhythms and lung inflammation: a role for glucocorticoids. Manchester, UK: Faculty of Life Sciences Annual Research Symposium

Kearney LM, Gibbs JE, Farrow SN, Ray DW, Loudon ASI. (2013) Circadian rhythms and lung inflammation: a role for glucocorticoids. Nashville, TN, USA: Chronobiology Summer School

Kearney LM, Gibbs JE, Farrow SN, Ray DW, Loudon ASI. (2013) Circadian gating of the pulmonary response to inflammatory challenge: a role for glucocorticoids. Munich, Germany: European Biological Rhythms Society (EBRS) Biennial Meeting

Kearney LM, Gibbs JE, Farrow SN, Ray DW, Loudon ASI. (2013) Circadian rhythms and lung inflammation: a role for glucocorticoids. Manchester, UK: British Society for Neuroendocrinology Annual Meeting

NB: name change from Kearney to Ince in 2014

Teaching Experience

- 2022 PhD thesis midterm evaluator, Chiara Ciccone, The Arctic University of Norway
- 2022 Lecturer, Biological Clocks and Behavior (PSY332T): 'Biological Clocks in Immune Function'.
- 2019-2020 Tutor, 'Chapitres choisis' ('chosen chapters') journal club elective for PhD students.
- 2016-2018 Instructor, postgraduate technical skills course (*in vivo* imaging & surgical skills).
- 2012-2014 Demonstrator, undergraduate lab classes (e.g., optometry testing, electrooculogram, nerve-muscle recordings (*Xenopus laevis*), DNA extraction & PCR, SDS-PAGE).
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Mentoring Experience

Graduate Students

Kate Davis Current Institute for Neuroscience PhD program, The University of Texas at Austin

Undergraduates

Anusha Dabak Current Neuroscience, The University of Texas at Austin
Polymathic Scholars Honors Program

Krishi Manem Current Neuroscience, The University of Texas at Austin
Dean's Scholar Honors Program
Awarded Texas Institute for Discovery Education in Science Fellowship 2022

Taylor West 2022 Biology, Jarvis Christian University
Leadership through Engagement for the Advancement of Diverse Educational Research (LEADER) Program
Currently: Cytology Assistant at Clinical Pathology Laboratories
Admitted to UT Austin Pharm.D. program, starting Fall 2023

Review Activities

Grants

European Research Council (ERC) • Medical Research Council (MRC) • Wellcome Trust • German Research Foundation (DFG) • Austrian Science Fund (FwF) • Centre Transdisciplinaire de Recherche sur la Longévité (CPER-CTRL) • Netherlands Organisation for Health Research and Development (ZonMw)

Papers

Nature • Science • Immunity • PNAS • Nature Reviews Immunology • Nature Metabolism • Frontiers in Immunology • Frontiers in Neuroscience • Frontiers in Cellular and Infection Microbiology • Journal of Clinical Investigation • Journal of Sleep Research • Trends in Molecular Medicine • Scientific Reports • Journal of Circadian Rhythms • Biology Letters

Professional Memberships

- Alzheimer's Association International Society to Advance Alzheimer's Research & Treatment (ISTAART)
 - Immunity and Neurodegeneration Professional Interest Area
 - Sleep and Circadian Rhythms Professional Interest Area
 - Society for Research on Biological Rhythms (SRBR)
 - European Biological Rhythms Society (EBRS)
 - Society for Neuroscience (SfN)
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Service

Society for Light Therapy and Biological Rhythms (2022 - Present)

Board member

Alzheimer's Association - ISTAART Immunity & Neurodegeneration Professional Interest Area (2022 - Present)

Executive committee - postdoctoral member

Alzheimer's Association - ISTAART Immunity & Neurodegeneration Professional Interest Area (2022)

Co-organizer and co-chair for ISTAART webinar: 'Adaptive Immunity in Neurodegenerative Diseases'.

Society for Research on Biological Rhythms - SRBR 2022 Logo Committee (2021-2022)

Committee member for choosing logo & designing publicity material for biennial conference.

European Biological Rhythms Society - Trainee Development Day (2019)

Organizing committee member for the trainee development day which precedes the biennial EBRS conference.

Society for Research on Biological Rhythms - Trainee Development Day (2014)

Organizing committee member for the trainee development day which precedes the biennial SRBR conference.

The University of Manchester - Life Sciences PhD Conference (2013)

Committee member of the 2nd annual conference for local PhD students. Working in a team with 4 fellow PhD students, we organized all aspects of the conference, including abstract selection, scheduling, and sponsorship.

The University of Manchester - Undergraduate Student Ambassador (2009-2010)

Served as student ambassador at interview days, welcoming applicants and families to The University of Manchester.

The University of Manchester – Peer-Assisted Study Scheme Leader (2009-2010)

Facilitated integration and exam preparation by hosting weekly group study sessions for more junior undergraduates.

The University of Manchester – Course Representative (2007-2010)

Attended staff-student liaison committee meetings as representative for the Cognitive Neuroscience & Psychology cohort.

Outreach

[Alzheimer's Association – Dementia Researcher Podcast/PIA to Elevate Early Career Researchers \(2022\)](#)

Interviewer/interviewee for 2022 relay podcast to promote Alzheimer's disease research and early career researchers.

[Society for Research on Biological Rhythms - Outreach Committee \(2019-2020\)](#)

Appointed in the first postdoctoral team to develop society outreach via Twitter (@SRBR_Outreach) and blog posts. I also coordinated a successful 'Ask Science' session on Reddit discussing #LockTheClock to end daylight savings time.

[Pint of Science \(2017 & 2018\)](#)

Pint of Science is a 3-day event held annually in 24 countries, bringing scientists to the pub to discuss their research with the public. I joined the Munich team as a local organizer in 2017 and was social media coordinator for Germany in 2018.

[Local Science Festivals \(2013 & 2014\)](#)

Obtained a Public Engagement Grant, designed a quiz app ('Are You a Lark or an Owl?') and exercises to illustrate time zones/jet lag to a younger audience. Organized teams of 2-3 to deliver these activities at local science festivals.

[The Brain Bus \(2009-2012\)](#)

I participated in various school visits, museum stands, and train station stalls, often during Brain Awareness Week. We delivered table-top activities based around the senses ('*Making Sense of Your Brain*') to a family audience.

Professional Development

2022	Dynamics of Diversity:	The University of Texas at Austin, TX, USA
	<ul style="list-style-type: none">• Embracing Diversity in the Workplace• Strategies for an Equitable Workplace• Campus Climate (it Ain't the Weather)• Recognizing and Interrupting Implicit Bias in the Workplace• Access and Inclusion – Disability in Context and the Workplace• Allyship Toolkit• Community Engagement: Become an Active Citizen• Mental Health in the Workplace	
2022	Mentoring Undergraduate STEM Researchers	The University of Texas at Austin, TX, USA
2022	Engaging IDEA(s)	The University of Texas at Austin, TX, USA
2021	Introduction to R for Biologists	The University of Texas at Austin, TX, USA
2017	German Language Level B1.1	Ludwig-Maximilians-Universität, Munich, Germany
2016	Young Female Leaders in Science	Max Planck Institute for Biochemistry, Munich, Germany
