

Education & Training

Brigham and Women's Hospital/Harvard Medical School – Resident (Research Track), Psychiatry Residency Program, June 2020 – Present.

Harvard Medical School & MIT: M.D. – Ph.D. Trainee, Health Science and Technology (HST) and Neuroscience, July 2012 - May 2020. PhD awarded 2018; MD awarded 2020

- Ph.D. Advisors: Beth Stevens (Neurobiology) & Steve McCarroll (Genetics).
- Dissertation Examiners: Steve Hyman (chair), Christopher A Walsh, Chinfai Chen, Guoping Feng (External)
- Dissertation Advisory Committee: Bernardo Sabatini (Chair), Steve Hyman, & Jesse Gray.
- Funded through Medical Scientist Training Program (MSTP) Award Number T32GM007753 from the NIH and the NIH T32 training grant "PhD Training in Neuroscience" NIH T32 MH020017.

Oxford University: D.Phil. in Neuroethics (via Department of Public Health), Viva Passed Jan 7, Awarded Mar 2, 2013.

- Dissertation examiners: Steve Hyman (Harvard & MIT) and Michael Parker (Oxford).
- D.Phil. advisors: Julian Savulescu (Oxford) and Mark Sheehan (Oxford).

Trinity College, Dublin, Ireland: M.Sc. in Neuroscience (Distinction), December 2010.

Yale University: B.S. / M.S. in Molecular, Cellular, & Developmental Biology, May 2009.

- Phi Beta Kappa, *Magna Cum Laude*, distinction in the major.
- Yale combined GPA: 3.88, Graduate GPA: 3.95

Colorado College: 1st year of college (spring 2005 – fall 2006) transferred to Yale, fall 2006.

- Colorado College GPA: 4.00

National Awards, Scholarships, and Fellowships

American Psychiatric Association's Carol Davis Ethics Award, 2021.

- "For an outstanding contribution to literature on the ethics of psychiatry"

Rhodes Scholarship (Region I, MA, United States), 2010.

- One of 32 American students to receive this scholarship that fully supports 1-3 years of study at Oxford.

Marshall Scholarship, Boston, 2010 (declined in order to accept the Rhodes).

- Forty scholarships awarded annually to support study for 2 years in the UK.

George J. Mitchell Scholarship, 2009.

- One of twelve students to receive this scholarship that fully supports a year of study in Ireland.

USA Today's All-USA College Academic Team All-Star (1st team), 2009.

- One of 20 undergraduates elected to the 1st team on academic merit and featured in USA Today.

Combining Clinical and Research Careers in Neuroscience Course, NIH, 2019.

American Academy of Child & Adolescent Psychiatry (AACAP) Life Members Mentorship Grants for Medical Students, 2014

International Neuroethics Society (INS) Annual Meeting Travel Award (selected on merit of abstract), 2014 & 2017.

Fellowships at Auschwitz for the Study of Professional Ethics (FASPE), Medical Fellow, 2013.

- One of 15 medical students selected for this fellowship to study medical ethics in the context of the holocaust.

National Fragile X Foundation Summer Research Fellowship, 2009.

- One of six to win this fellowship, which supported my research in the Lombroso Lab, summer 2009.

Coalition of Higher Education Assistance Organizations (COHEAO) Education Scholarship, 2008.

- One of eight to win this tuition scholarship.

University Academic Grants, Fellowships, Scholarships and Prizes

Dr. Sirgay Sanger Award for outstanding research in the fields of psychiatry or neuroscience, Harvard Medical School 2020.

Dr. Mortimer and Theresa Sackler Foundation Fellowship, Sackler Scholar in Psychobiology, Harvard University 2017-18.

Harvard Center for Biological Imaging Simmons Award, Harvard University 2017.

Mind, Brain, Behavior Interfaculty Initiative Graduate Student Award, Harvard University, 2014, 2016 & 2017 (3 Awards).
Health Sciences and Technology (HST) IDEA² Scholarship, MIT & Harvard Medical School, 2014 (used fall 2016).
Petrie Flom Center for Health Law Policy, Biotechnology, and Bioethics Student Fellowship, Harvard Law School, 2013-14.
Phizackerley Senior Scholarship in the Medical Sciences, Balliol College, University of Oxford, 2011-12.
Brackenbary Research Conference Travel Grant, Balliol College, University of Oxford, 2012
Nasrudin Essay Prize – on an Issue of Mental Health, Balliol College, University of Oxford, 2011.
Best Overall Grade (M.Sc.) Trinity College Institute of Neuroscience (TCIN), Trinity College Dublin, 2010.
Mellon Forum Undergraduate Research Grant, Yale University, 2009.
Yale Science and Engineering Association Grant for Undergraduate Research, Yale University, 2008.
Alan S. Tetelman '58 Fellowship for International Research in the Sciences, Yale University, 2008.
Yale Science and Engineering Research Presentation Travel Prize, Yale University, 2008.

Research

Brigham and Women's Hospital. Boston, MA. Kate Burdick Lab 2021- present

- Biomarker discovery in bipolar disorder; pilot project

Massachusetts General Hospital. Boston, MA. Neuroinfectious Disease Unit, Shibani Mukerji Lab 2021- present

- Biomarker discovery for psychiatric sequelae after herpes simplex virus encephalitis; pilot project

Children's Hospital Boston F.M. Kirby Neurobiology Center. Boston, MA. Beth Stevens Lab, AND

Harvard Medical School Department of Genetics. Boston, MA. Steve McCarroll Lab. (Ph.D. Labs) July 2013 – May 2020

- Investigated schizophrenia risk from a putative negative regulator of the complement cascade.

MIT McGovern Institute for Brain Research. Boston, MA. Guoping Feng Lab, (Rotation) Mar 2013-May 2013.

- Used calcium-sensing fluorescent proteins to visualize in-vivo brain network activity in mouse models.

MIT Picower Institute of Learning and Memory. Boston, MA. Myriam Heiman Lab, (Rotation) Jan-Mar 2013.

- Investigated involvement of choroid plexus metabolism in neural-immune interactions.

University of Oxford. UK. Center for Neuroethics & The Ethox Centre, Fall 2010-2013.

- DPhil: "Ethical Issues in the Bioprediction of Brain-Based Disorder;" advisors: Julian Savulescu & Mark Sheehan

Trinity College, Dublin. Dublin, Ireland. Aiden Corvin Lab, Summer 2010.

- Investigated a cell-culture based, synaptic plasticity model of Schizophrenia/psychiatric disorder (Δ DISC1).

Yale University Child Study Center. New Haven, CT. Paul Lombroso Lab, 2006-9.

- Investigated the role of the local translation of Striatal Enriched Tyrosine Protein Phosphatase (STEP) mRNA in normal learning and in Fragile X Syndrome.
- Helped principal investigator to write and revise several RO1 grants to the NIH and grants to major foundations.

Katholieke Universiteit Leuven. Leuven, Belgium. Claudia Bagni Lab, summer 2008.

- Spearheaded an international collaboration between the Lombroso and Bagni labs on Fragile X Syndrome.
- Intense cultural experience working in an Italian Lab in a Flemish city, 10 min from the French language border.

Dana Farber Cancer Institute. Boston, MA, Jerome Ritz Lab, summer 2006.

- Investigated Chronic Graft Versus Host Disease (cGVHD) through a candidate gene approach

Publications

Peer-Reviewed Books

Baum, M. L. 2016. *The Neuroethics of Biomarkers: What the Development of Bioprediction Means for Moral Responsibility, Justice, and the Nature of Mental Disorder.* Oxford. *Oxford University Press.*

Peer-Reviewed Articles

- Lizano P, **Baum ML**, Johnson MC, Sendil YA. 2021. A commentary on: Clinical, Neuroimmunologic, and CSF Investigations in First Episode Psychosis. *PracticeUpdate*.
- Conrad RC, **Baum ML**, Shah SB, Levy-Carrick NC, Biswas J, Schmelzer NA, Silbersweig D. 2020. Duties toward Patients with Psychiatric Illness. *Hastings Cent Rep*. 2020 May; 50(3):67-69. PMID: 32596900.
- Saunders A., Macosko E.Z., Wysoker A., Goldman M., Krienen F.M., de Rivera H., Bien E., **Baum M.**, Bortolin L., Wang S., Goeva A., Nemesh J., Kamitaki N., Brumbaugh S., Kulp D., McCarroll S.A. 2018. Molecular diversity and specializations among the cells of the adult mouse brain. *Cell*, 174(4):1015-1030.
- Baum, M.** 2016. Patient Requests for Off-Label Bioprediction of Dementia. *Cambridge Quarterly of Healthcare Ethics, Special Issue on Clinical Neuroethics*. 25(4): 686-690.
- Sekar, A., Bialas, A. R., de Rivera, H., Davis, A., Hammond, T. R., Kamitaki, N., Tooley, K., Presumey, J., **Baum, M.**, Van Doren, V., Genovese, G., Rose, S. A., Handsaker, R. E., Schizophrenia Working Group of the Psychiatric Genomics Consortium, Daly, M. J., Carroll, M. C., Stevens, B., and McCarroll, S. A. 2016. Schizophrenia risk from complex variation of complement component 4. *Nature*, 530:177-183.
- Goebel-Goody, S., **Baum, M.**, Paspalas, C., Fernandez, S., Carty, N., Kurup, P., Lombroso, P. 2012. Therapeutic implications for striatal-enriched protein tyrosine phosphatase (STEP) in neuropsychiatric disorders. *Pharmacological Reviews*, 64(1):65-87.
- Baum, M.** 2011. The monoamine oxidase A (MAOA) genetic predisposition to impulsive violence: Is it relevant to criminal trials? *Neuroethics*, DOI: 10.1007/s12152-011-9108-6.
- Baum, M.** and Hope, T. 2011. Beyond the Goldwater Rule. *The Psychiatrist*, 35:297-301.
- Baum, M.**, Kurup, P., Xu, J., Lombroso, P. 2010. A Step Forward in Neural Function and Degeneration. *Communicative & Integrative Biology*. 3:5, 1-4.
- Xu, J., Kurup, P., Zhang, Y., Goebel-Goody, S., Wu, P., Hawasli, A., **Baum, M.**, Bibb, J., and Lombroso, P. 2009. Extrasynaptic NMDA Receptors Couple Preferentially to Excitotoxicity via Calpain-mediated Cleavage of STEP. *Journal of Neuroscience*. 29: 9330-43.

Book Chapters

- Samuels, A., **Baum, M. L.**, Luschinger, J., Mealer, R. G., and Ross, R. A. 2021. Clinical Neuroscience (Chapter 2). In: *Walker, A. M., Schlozman, S. E., and Alpert, J. E. (eds). Introduction to Psychiatry: Preclinical Foundations and Clinical Essentials (1st edition)*. Cambridge. Cambridge University Press.
- Baum, M. L.**, Savulescu, J., and I. Singh. 2020. Chapter 5: New Ethics For 21st Century Psychiatry. In: *Geddes, J., Andreasen, N., and Goodwin, G. (eds). New Oxford Textbook of Psychiatry (3rd edition)*. Oxford. Oxford University Press.
- Huang, C.J. Parker, M., and **Baum, M. L.** 2014. Chapter 18: Genetics and Dementia: Ethical Concerns. In: *Foster, C., Herring, J. and Doron, I. (eds). Dementia: Law and Ethics*, Oxford. Hart. Pp. 177-188.
- Baum, M. L.** and J. Savulescu. 2013. Chapter 2, Behavioural Biomarkers: What are They Good For? Towards the Ethical Use of Biomarkers. In: *Singh, I., Sinott-Armstrong, W., and Savulescu, J. (eds). Bioprediction, Biomarkers, and Bad Behavior: Scientific, Legal, and Ethical Challenges*. Oxford. Oxford University Press.
- Van den Broeck, J., Brestoff, J. R., and **Baum, M. L.** 2013. Definition and Scope of Epidemiology. In: *Jan Van den Broeck, Jonathan R. Brestoff. Epidemiology: General Principles & Practical Research Guidelines*. Springer. Pg. 3-18.

Editorially-Reviewed Open Peer Commentaries

- Baum, M.** and Huang, C. 2011. Is diminished free-will legally relevant and is enhanced free-will possible? *American Journal of Bioethics – Neuroscience*, 2(3): 59-61.
- Huang, C and **Baum, M.** 2011. A rational basis for considering the chemoprevention of prostate cancer. *American Journal of Bioethics*, 11(12): 27-29.
- Huang, C and **Baum, M.** 2012. Nudge Ethics: Just a game of billiards? *American Journal of Bioethics*, 12(2): 22-24.

Pre-print Publications

Baum, M. L., Wilton, D. K., Muthukumar, A., Fox, R. G., Carey, A., Crotty, W., Scott-Hewett, N., Bien, E., Sabatini, D. A., Lanser, T., Frouin, A., Gergits, F., Havik, B., Gialeli, C., Nacu, E., Blom, A. M., Eggan, K., Johnson, M. B., McCarroll, S. A., Stevens, B. CUB and Sushi Multiple Domains 1 (CSMD1) opposes the complement cascade in neural tissues. *bioRxiv* 2020.09.11.291427; doi: <https://doi.org/10.1101/2020.09.11.291427>

Other Publications

Baum, Matthew. 2006. Novel Technique using Naturally Competent ADP1 to Clone Variable lux Genes via Homologous Recombination. *Published Online at the Colorado College Website as part of a Writing Prize.*

- One of four 1st year students (and only one in the sciences) to win this writing prize.

Presentations

Presentations at International Meetings

- M. L. Baum**, *Plenary speaker (invited)*. Neuroethics of Biomarkers. Annual Meeting of the International Neuroethics Society. Chicago, 2019.
- M. L. Baum**, S. De Boer, H. De Rivera, G. Genovese, N. Kamitaki, D. A. Sabatini, W. Wang, D. Hazelbaker, D. Vargas, J. Presumey, B. Havik, M. C. CARROLL, B. L. Sabatini, L. E. Barrett, K. Eggan, S. McCarroll, B. A. Stevens. Schizophrenia Risk from a Negative Regulator of Synaptic Pruning. *Poster*. Program No. 662.12. 2017 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online. Presented by M. L. Baum.
- M. L. Baum**. A Bayesian response to the “group-to-individual” objection to neuroscientific data in the courtroom. *Invited Flash Talk, & Poster (travel stipend awardee)*. Annual Meeting of the International Neuroethics Society. Washington, DC, 2017.
- M. L. Baum**. *Panel Discussion*: How Much Should We Be Required to Know about the Risks Our Neurobiologies Pose to Others Given that the Development of Biomarkers, Algorithms, and Machine Learning Tools is Poised to Massively Expand the Domain of What We Could Know? *Panel organizer & Moderator*. Speakers: Alexandra Durr, Herve Chneiweiss. Meeting of the Neuroethics Network. Paris, 2018.
- M. L. Baum**. When a patient requests off-label use of neurotechnologies for the bioprediction of cognitive impairment, how should a physician respond? *Poster*. Annual Meeting of the International Neuroethics Society. Chicago, 2016.
- M. L. Baum**. Distributive Justice Based Reasons to Gain Biopredictive Information. *Speaker on panel discussion of ethical issues raised by whole-genome screening of children*. Meeting of the Neuroethics Network. Paris, 2016.
- M. L. Baum**. Biomarkers & Morally Significant Risk. Annual Meeting of the International Neuroethics Society. San Diego. 2015.
- M. L. Baum**. No Title, *Panel Speaker* on case discussion of 1) a patient’s request for amyloid neuroimaging, and 2) ethical issues of testing for Fragile X given new knowledge of age-related ataxias in male pre-mutation carriers. Meeting of the Neuroethics Network. Paris, 2015.
- M. L. Baum**. Progress in the Neuroethics of Biomarkers Requires Reorientation of the Concept of Disorder around Risk of Harm. *Invited Oral Presentation & Poster (top 5 conference abstracts)* Annual Meeting of the International Neuroethics Society. Washington, DC, 2014.
- M. L. Baum** and J. Savulescu. The ethics of non-invasive imaging of amyloid-beta plaques as a predictive biomarker of alzheimer’s dementia. *Poster (selected into the top 25 conference abstracts)*. Annual Meeting of the International Society for Neuroethics, San Diego, 2013.
- M. L. Baum** and C. Huang. Metaethics: the Antidote to the Over-Proceduralization of Medical Ethics? *Verbally copresented*. Oxford-Mt Sinai Consortium. Amsterdam, 2012.

- S. M. Goebel-Goody, E.D. Wallis, L. Li, D.V. Hall, S. Royston, **M. L. Baum**, J.R. Naegele, P.J. Lombroso. Loss of striatal-enriched protein tyrosine phosphatase (STEP) reverses deficits in a fragile x syndrome mouse model. *Poster*. Program No. 452.4. 2010 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience Conference, 2010. Online.
- S. M. Goebel-Goody, D.V. Hall, **M. Baum**, J.I Park, L. Ding, Y. Zhang, J.R. Naegele, P.J. Lombroso. Genetic reduction of STriatal-Enriched protein tyrosine Phosphatase (STEP) decreases the incidence of audiogenic seizures in a mouse model of Fragile X syndrome. *Poster*. Program No. 135.18. 2009 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2009. Online.
- M. L. Baum**, P. Kurup, Y. Zhang, D. Austin, P. J. Lombroso. 2008. CPEB (Cytoplasmic Polyadenylation Element Binding protein) Mediates the Activity-Dependent Local Translation of STEP. *Poster*. Program No. 735.2. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online. *Presented by M. L. Baum*.
- S. M. Goebel-Goody, D.V. Venkitaramani, Y. Zhang, **M. Baum**, P. J. Lombroso. The role of STriatal-Enriched tyrosine Phosphatase in fragile X syndrome. *Poster*. Program No. 735.3. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.
- P. Kurup, **M. Baum**, Y. Zhang, D. Austin, P. J. Lombroso. 2007. Dendritic Localization and Activity Dependent Translation of STEP (striatal enriched protein tyrosine phosphatase). *Poster*. Program No. 787.11. 2007 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2007. Online.

Other Presentations

- M. L. Baum**. How Should We Conceptualize Mental Disorder? Dichotomy, Probability, and the DSM-5. *Oral presentation*. Annual Conference of the Klingenstein Medical Student Fellowship. UNC Chapel Hill, NC, 2014.
- M. L. Baum**. Morally Significant Risk. *Invited Oral Presentation*. Neurostatistics Working Group, Department of Biostatistics at Harvard School of Public Health, Boston, MA, 2013.

Clinical, Science Communication & Medical Humanities

Medical Humanities Leadership Roles

International Neuroethics Society (INS) Student/Postdoc Representative to the Executive Board, May 2013 – Jan 2016.

- Represented student interests to the INS, chaired a student steering committee, and spearheaded initiatives to encourage and support student interest in neuroethics. Founded a student essay prize in neuroethics.

Committee Chair, May 2013 – Jan 2016; Committee Member Feb 2016-2020, Student/Postdoc Committee of the INS.

Committee Member Feb 2016-2020, Nominations Committee of the INS.

Committee Member & Lecture Coordinator, Oxford Forum for Medical Humanities, Fall 2011-12.

- Helped organize and arranged speakers for this student-run group that organized term-time talks by prominent intellectuals within medical humanities, drawing audiences consistently over 50 and often over 100 individuals.

Teaching

Oxford University, Masters in Practical Ethics: Module on Neuroethics; Invited Lecturer (on Neuroethics of Biomarkers), Summer 2021.

Harvard Medical School, Essentials of the Profession II: Medical Ethics and Professionalism (MEP) Section Leader, Spring 2020; Individual session facilitator: *Ethical issues at the end of life*, Jan 2018.

Boston University, School of Social Work, Online Course Facilitator, HB 751: Human Neuropsychology, Fall 2015, 2014 & 2013, Summer 2014.

- Taught basic principles of neuropsychology in online sections of ~15 Masters in Social Work students.

Magdalen College Tutor in Medical Ethics, University of Oxford. Hilary and Trinity Terms 2012.

- Partnered with a fellow tutor to conduct seminars and weekly essays on medical ethics for the Magdalen College 1st year graduate entry medical students.

Medicine and the Brain Instructor, Oxbridge Academic Programs – The Cambridge Tradition, Summer 2011.

- Designed and deployed a month long course curriculum for a major of 15 high school students and minor of 13.
- In 100+ hrs of teaching, from basic neuroanatomy and neurophysiology to neuroengineering and neurolaw.
- Conducted in depth modules working slowly through Nature, Cell, and Journal of Neuroscience research papers on Fragile X and fear memory reconsolidation to teach principles of translational medicine and molecular memory.

Yale Science and Quantitative Reasoning Tutor, 2008-9.

- Tutored students in neurobiology, genetics, and molecular physiology.

Medical Student Interest Groups

Klingenstein Medical Student Fellowship in Child and Adolescent Psychiatry, Harvard Medical School, 2012-17.

Journalism

Blogger Bill of Health Blog 2013-2014; Oxford Practical Ethics Blog 2010-2012,

- Past blog posts at the Bill of Health Blog (Harvard Law School; <http://blogs.law.harvard.edu/billofhealth/>) 2013-2014 and the Oxford Practical Ethics Blog (<http://blog.practicaethics.ox.ac.uk/>) 2010-2 have addressed ethical issues in a range of topics from brain computer interfaces to Neurolaw and the revision of the DSM.

Writer Yale Scientific, 2007-9; Yale Journal of Med. & Law, 2007-9; Assoc. Editor Triple Helix, 2008-9.

- Began writing for the Yale Scientific, whose articles are technical and geared towards the scientific community.
- Became interested in communicating with a more general audience, which I found with the Journal of Medicine and Law. Wrote articles ranging from criminal responsibility in the neuroscientific age to drugs that disrupt memories.
- Branched out again my senior year to edit for the Triple Helix, which focuses on science's societal impact.

Arts, Public Speaking, and Athletics Grants and Prizes

Louis Sudler Grant (creative arts category), 2008.

- Enabled my creation of a bronze sculpture that has been installed in the Berkeley College (BK) library at Yale.

George Wadsworth Grant for International Community Service, 2008.

- Supported my service in Belize, which I documented in a photo-journal that is also part of the BK library.

David DeForest Prize for Public Speaking, 2009.

- Given to the top four senior speakers “who shall write and pronounce an English Oration in the best manner.”
- My speech encouraged a grass-roots approach to issues of mental health.

John M. Brodie Memorial Award, 2009.

- Awarded for graduate study to two Yale wrestlers with high academic merit.

John O'Donnell Trophy for a sophomore class member of Yale Wrestling Team, 2007.

Mentoring, Service, Athletics and Other Extracurricular Activities

FOCUS on New Haven. Coordinator, 2008; Steering Committee, Head of Fundraising, Leader, 2007; Participant, 2006.

- Community service and leadership program that aims to introduce participants to the city's issues and challenges via direct service and educational panels.
- As coordinator, managed the steering committee, choreographed the program, and recruited 60 participants and leaders who spanned all 12 of Yale's residential colleges, 25 states, and two continents.
- Opened the program to transfer students (40% participated), who otherwise would have no orientation program.
 - Such positive results that FOCUS became the official transfer orientation and I became referred to as the “unofficial Dean of Transfers,” a title that always makes me smile.
- As head of fundraising, raised over \$2500 from a box sale.

International Community Service with Yale Reach Out. Volunteer Belize, 2008; Volunteer Turkey, 2007.

- Helped build a hurricane shelter in Punta Gorda, Belize.
- Worked with a Turkish NGO to restore a school in a small Turkish village on the border of Greece.

Connecticut Mental Health Center. Shadow, 2008-9.

- Observed rounds and patient interviews, which opened my eyes to some of the issues of diagnosis and treatment including the surprisingly large overlap of symptoms and medications between different disorders.

Wrestling. President Yale Wrestling, 2008-9, member, 2006-9; Founder Colorado College Wrestling, 2005-6.

- As Yale president, organized competition schedule, took care of travel logistics and administrative paperwork, acted as the team's liaison to the wrestling community, helped to run practices, and established team officers.
- As a member Yale wrestling, traveled throughout New England to represent Yale in NCWA tournaments.
- As founder of Colorado College Wrestling, wrote a club proposal, navigated school bureaucracy, located a wrestling room and mats, and gathered a group of athletes that practiced weekly.

Rugby. Member Balliol College Rugby (Oxford), 2010-2012; Yale Rugby, Spring 2007; Colorado College Rugby, Fall 2005.

Rowing. Member Balliol College Novice A/B (Oxford) Michaelmas Term, 2010.

Berkeley Beer Club (BBC). Co-Founder; Organizer, 2007-9.

- Each week a hosting member shares the history of her chosen beer with this unofficial beer-appreciation club.
- Organized the schedule and sent out weekly poetic and literary rants encouraging participation.
- Established the art of brewing in the college; our beer was served at Berkeley College senior events.

Balli-Ale: Balliol College MCR Brewing & Tasting Workshop. organizer; instructor, 2011.

- Provided a forum in which MCR members learned to brew ales
- Empirically demonstrated effects of varying yeast strain and grain roasting on flavor & color.
- Brewers shared the fruits of their labor at a "Beer Social," where the beers were compared and discussed.