

# Curriculum Vitae

**Kimberly A. Jameson**

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[www.imbs.uci.edu/~kjameson/ResearchArticles.html](http://www.imbs.uci.edu/~kjameson/ResearchArticles.html)

## Education

1989. Ph.D., University of California, Irvine, California  
1988. M.A., University of California, Irvine, California

## 1 Academic Positions:

- 06/15/20–present. Affiliated Faculty. The Center for Translational Vision Research at the Gavin Herbert Eye Institute, Department of Ophthalmology. UC Irvine School of Medicine
- 07/01/16–present. Project Scientist, Institute for Mathematical Behavioral Science, UC Irvine, School of Social Sciences
- 07/13/06–06/30/16. Associate Project Scientist, Institute for Mathematical Behavioral Science, UC Irvine
- 09/01/2003–07/13/06. Research Specialist, Institute for Mathematical Behavioral Science, UC Irvine
- 12/01/2003–06/30/2006. Associate Project Scientist, Center for Research in Language, UC San Diego
- 08/01/2003–12/01/2003. Visiting Scholar, Center for Research in Language, UC San Diego

- 07/01/1995–07/30/2003. Assistant Professor, Department of Psychology, UC San Diego
- 1994–1995. National Research Council Associateship, NRaD Laboratories, San Diego, California.
- 1994–1995. Assistant Research Psychologist, Center for Human Information Processing, UC San Diego
1993. NSF-NATO Postdoctoral Fellow, Kiel Universität, Germany
- 1991–1993. UC President’s Postdoctoral Fellow, UC San Diego
1991. NSF-NATO Postdoctoral Fellow, Bonn Universität, Germany

## 2 Research:

- Mehta U, Diep A, Nguyen K, Le B, Yuh C, Frambach C, Doan J, Wei A, Palma A, Farid M, Garg S, Kedhar S, Wade M, Jameson K.A., Kenney MC, Browne AW. Quantifying color vision changes associated with cataracts using cone contrast thresholds. *Transl Vis Sci Technol.* 2020 9(12): 11. Published online 2020 Nov 3. doi: 10.1167/tvst.9.12.11. PMCID: PMC7645251. (Impact factor 2.5)
- White, K.M. , I. Livnat, C. Frambach, J. Doan, U.V. Mehta, C. Yuh, A.M. Palma, K.A. Jameson, M.C. Kenney, M.C. Mehta, C. J. Boisvert, W. R. Crow, A.W. Browne (2022). “Quantitative cone contrast threshold testing in patients with differing pathophysiological mechanisms causing retinal diseases.” under review.
- Jameson, KA, Addleman, N., Joe, K., Atilano, S., Kenney, M.C. (In-Progress Research) “Associating X-linked Opsin genotype variations with risk and progression for Adult-onset Macular Degeneration (AMD).” (manuscript).
- Jameson, K. A., Satalich, T. A., Joe, K. C., Bochko, V. A., Atilano, S. R. & M. C. Kenney. (2020). *Human Color Vision and Tetrachromacy*. Book Title in Cambridge Elements Series: Elements in Perception. Cambridge University Press. 80 pg.s. ISBN 978-1-108-71412-9. Information on this title: [www.cambridge.org/9781108714129](http://www.cambridge.org/9781108714129). DOI: 10.1017/9781108663977. Appeared May 2020.
- Atilano, S. R., M. C. Kenney, Briscoe, A. D. & Jameson, K. A. (2020). “Two-step method for identifying photopigment opsin and Rhodopsin gene sequences underlying human color vision phenotypes,” *Molecular Vision; Volume: 26*. 158-172. (Impact factor 2.2)
- Jameson, K. A., & Webster, M. A. (2019). “Color and Culture: Innovations and insights since Basic Color Terms - Their Universality and Evolution (1969).” *Color Research & Application*, 44(6), 1034-1041.

- Bochko, V. A., K. A. Jameson, T. Nakaguchi, Y. Miyake, & J. T. Alander. (revised and resubmitted manuscript). Non-negative matrix factorization using genetic algorithm for spectral colors. *Journal of Perceptual Imaging*.
- Jameson, K. A. , Browne, A. W. & M. C. Kenney. (2018) “Investigating geneticallybased Retinal Photopigment variation and color perception measures in clinical retina research populations using Konan Medical’s ColorDx system: A Preliminary Report”. Collaborative research whitepaper and prospectus submitted to Konan Medical, Inc., Irvine, CA.
- Jameson, K. A. (2018). ColCat: A Color Categorization Digital Archive and Research Wiki. In *Colour Studies: Vision, Cognition and Language*, L. MacDonald, C. P. Biggam and G. Paramei (Ed.s). John Benjamins (Amsterdam and Philadelphia). 179–208.
- Bochko, V. & Jameson, K. A. (2018). Investigating Potential Human Tetrachromacy in Individuals with Tetrachromat Genotypes Using Multispectral Techniques. *Electronic Imaging, Human Vision and Electronic Imaging*, 2016 (12), pp. 1-12. <https://doi.org/10.2352/ISSN.2470-1173.2018.14.HVEI-542> 2018, Society for Imaging Science and Technology.
- Park, J., Tauber, S., Jameson, K.A. & Narens, L. (2018). The Evolution of Shared Concepts in Changing Populations. *Review of Philosophy and Psychology*, 1–20. <https://doi.org/10.1007/s13164-018-0420-5>.
- Fider, N., Narens, L., Jameson, K. A., & Komarova, N. L. (2017). Quantitative approach for defining basic color terms and color category best exemplars. *JOSA A*, 34(8), 1285-1300. <https://doi.org/10.1364/JOSAA.34.001285>.
- Bochko, V. A., K. A. Jameson, T. Nakaguchi, Y. Miyake, & J. T. Alander. (2017). Non-negative matrix factorization for spectral colors using genetic algorithms: *Substantially Updated Version*. Technical Report Series #MBS 17-03. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Park, J.P., Tauber, S., Jameson, K. A. & Narens, L. (2017). The Evolution of Shared Concepts in Changing Populations. Technical Report Series #MBS 17-01. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Bochko, V. A. & K. A. Jameson. (2016). Investigating Potential Human Tetrachromacy in Individuals with Tetrachromat Genotypes Using Multispectral Techniques. Technical Report Series #MBS 16-04. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Bochko, V. A., K. A. Jameson, T. Nakaguchi, Y. Miyake, & J. T. Alander. (2016) Non-negative matrix factorization using genetic algorithm for spectral colors. Technical Report Series #MBS 16-03. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Fider, N., Narens, L., Jameson, K. A. & Komarova, N. (2016) A Numerical Approach for Defining Basic Color Terms and Color Category Best Ex-

- emplars. Technical Report Series #MBS 16-02. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Deshpande, P. S., S. Tauber, S. M. Chang, S. Gago, & K. A. Jameson. (2016). Digitizing a large corpus of handwritten documents using crowdsourcing and cultural consensus theory. Technical Report Series #MBS 1601. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA. <http://www.imbs.uci.edu/research/MBS%201601v2.pdf>.
- Jameson, K. A., Winkler, A. D., & Goldfarb, K. (2016). Art, interpersonal comparisons of color experience, and potential tetrachromacy. *Electronic Imaging, Human Vision and Electronic Imaging*, 2016 (12), pp. 1-12. Society for Imaging Science and Technology. DOI: <https://doi.org/10.2352/ISSN.2470-1173.2016.16.HVEI-145>.
- Deshpande, P. S., Tauber, S., Chang, S. M., Gago, S., & Jameson, K. A. (2016). Digitizing a Large Corpus of Handwritten Documents Using Crowdsourcing and Cultural Consensus Theory. *International Journal of Internet Science*, 11(1), pp. 8-32. [http://www.ijis.net/ijis11\\_1/ijis11\\_1\\_deshpande\\_et\\_al\\_pre.html](http://www.ijis.net/ijis11_1/ijis11_1_deshpande_et_al_pre.html).
- Jameson, K. A., Deshpande, P. S., Tauber, S., Chang, S. M., & Gago, S. (2016). Using individual differences to better determine normative responses from crowdsourced transcription tasks: An application to the R.E. MacLaury Color Categorization Archive. *Electronic Imaging, Human Vision and Electronic Imaging*, 2016(16), 1-9. Society for Imaging Science and Technology. DOI: <https://doi.org/10.2352/ISSN.2470-1173.2016.16.HVEI-115>.
- Jameson, K. A., Benjamin, N. A., Chang, S.M., Deshpande, P. S., Gago, S., Harris, I. G., Jiao, Y., and Tauber, S. (2015). Mesoamerican Color Survey Digital Archive. In *Encyclopedia of Color Science and Technology*, (Ronmier Luo, Ed.). Springer Berlin Heidelberg.
- Jameson, K. A., Winkler, A. D., Herrera, C. & Goldfarb, K. (2015). The Veridicality of Color: A case study of potential human tetrachromacy. *Glimpse-Journal: The Art + Science of Seeing*, Special issue on *Truth*.
- Jameson, K. A., Winkler, A. D., Herrera, C., & Goldfarb, K. (2014). The Veridicality of Color: A case study of potential human tetrachromacy. Technical Report Series# MBS 14-02. Institute for Mathematical Behavioral Sciences University of California at Irvine. Irvine, CA, USA. [http://www.imbs.uci.edu/files/imbs/docs/technical/2014/mbs\\_14-02.pdf](http://www.imbs.uci.edu/files/imbs/docs/technical/2014/mbs_14-02.pdf).
- Komarova, N. L. & Jameson, K. A. (2013). A quantitative theory of human color choices. *PLoS ONE* 8(2): e55986. doi:10.1371/journal.pone.0055986.
- Narens, L., Jameson, K. A., Komarova, N. L., & Tauber, S. (2012). Language, categorization, and convention. Invited contribution in *Advances in Complex Systems*, 15(03n04), 1150022.
- Alvarado, N. & Jameson, K. A. (2011) Shared Knowledge About Emotion Among Vietnamese and English Bilingual and Monolingual Speak-

- ers. *Journal of Cross-Cultural Psychology*, 42(6), pp. 964 - 983. DOI 10.1177/0022022110381125.
- Jameson, K. A. & Lomberg, J. (2010). Are Color Processing Universals an approach to the Construction of Interstellar Messages? Invited Article. *GlimpseJournal: The Art + Science of Seeing*, 2.4, Winter Issue on Cosmos, 36–44.
- Jameson, K. A. (2010). Where in the World Color Survey is the Support for Color Categorization Based on the Hering Primaries? In J. Cohen & M. Matthen (eds), *Color Ontology and Color Science*. Cambridge MA: Bradford Books, MIT Press: 179–202.
- Jameson, K. A. (2009). Human Potential for Tetrachromacy. Invited Article. *GlimpseJournal: The Art + Science of Seeing*, 2.3, Autumn Issue on Color, 82–91.
- Jameson, K. A. (2009). Human Potential for Tetrachromacy - Online Supplementary Material. Published online only as a supplemental resource in *GlimpseJournal: The Art + Science of Seeing*, 2.3. Available at <http://www.glimpsejournal.com/2.3-KAJ.html>.
- Jameson, K. A. & Komarova, N. L. (2009a). Evolutionary models of color categorization. I. Population categorization systems based on normal and dichromat observers. *Journal of the Optical Society of America, A*, Vol. 26(6), pp. 1414–1423. *Featured Reprint in The Virtual Journal of Biomedical Optics*, 4(8).
- Jameson, K. A. & Komarova, N. L. (2009b). Evolutionary models of color categorization. II. Realistic observer models and population heterogeneity. *Journal of the Optical Society of America, A*, Vol. 26(6), pp. 1424–1436. *Featured Reprint in The Virtual Journal of Biomedical Optics*, 4(8).
- Jameson, K. A. (2009). Tetrachromatic Color Vision. Invited contribution to *The Oxford Companion to Consciousness*. Wilken, P., Bayne, T. & Cleere-mans, A. (Ed.s). Pp. 155–158. Oxford University Press: Oxford.
- Wasserman, L. M., Szeszel, M. K. & Jameson, K. A. (2009). Long-Range Polymerase Chain Reaction Analysis for Specifying Photopigment Opsin Gene Polymorphisms. *Technical Report Series # MBS 09-07*. Institute for Mathematical Behavioral Sciences University of California at Irvine. Irvine, CA, USA. Available at [http://www.imbs.uci.edu/tr/abs/2009/mbs\\_09-07.pdf](http://www.imbs.uci.edu/tr/abs/2009/mbs_09-07.pdf).
- Jameson, K. A. & Komarova, N. L. (2008). Evolutionary Models of Color Categorization: Investigations Based on Realistic Population Heterogeneity. Technical Report Series #MBS 08-04. Institute for Mathematical Behavioral Sciences University of California at Irvine, Irvine, CA, USA.
- Komarova, N. L. & Jameson, K. A. (2008). Population Heterogeneity and Color Stimulus Heterogeneity in Agent-based Color Categorization. *Journal of Theoretical Biology*, 253, 680–700.

- Komarova, N. L., Jameson, K. A. & Narens, L. (2007). Evolutionary Models of Color Categorization based on Discrimination. *Journal of Mathematical Psychology*, 51, 359–382.
- Jameson, K. A., Bimler, D., Dedrick, D. & Roberson, D. (2006). Considering the Prevalence of the *Stimulus Error* in Color Naming Research. To appear in 2007. *Journal of Cognition & Culture*, 7, 119–142.
- Jameson, K.A., Bimler, D. & Wasserman, L. M. (2006). Re-assessing Perceptual Diagnostics for Observers with Diverse Retinal Photopigment Genotypes. In *Progress in Colour Studies 2: Cognition*. Pitchford, N.J. & Biggam, C.P. (Ed.s), (Pp. 13–33). Amsterdam: John Benjamins Publishing Co.
- Jameson, K.A. (2005). Semantic and Perceptual Representations of Color. In J.S. Monahan, S.M. Sheffert & J.T. Townsend (Eds.), *Fechner Day 2005: Proceedings of the 21st Annual Meeting of the International Society for Psychophysics*, (pp. 125–132). Mt. Pleasant: Central Michigan University Printing Services.
- Sayim, B. Jameson, K. A. Alvarado, N. & Szeszel, M. K. (2005). Semantic and Perceptual Representations of Color: Evidence of a Shared Color–Naming Function. *The Journal of Cognition & Culture*, 5, (3–4), 427–486.
- Jameson, K. A. (2005). Sharing Perceptually Grounded Categories in Uniform and Nonuniform Populations. Commentary on Steels, L. & Belpaeme, T. (Target Article). Coordinating Perceptually Grounded Categories through Language. A Case Study for Colour. *Behavioral and Brain Sciences*, 28(4), 501–502.
- Jameson, K. A. (2005). Culture and Cognition: What is Universal about the Representation of Color Experience? *The Journal of Cognition & Culture*, 5, (3–4), 293–347.
- Jameson, K. A. (2005). Why *GRUE*? An Interpoint–Distance Model analysis of Composite Color Categories. *Cross-Cultural Research: The Journal of Comparative Social Science*, 39(2), 159–194.
- Alvarado, N. and Jameson, K. A. (2005). Confidence Judgments and Color Category Best Exemplar Salience. *Cross-Cultural Research: The Journal of Comparative Social Science*, 39(2), 134–158.
- Jameson, K. A. (2005). The role of Culture in Color Naming Research. *Cross-Cultural Research: The Journal of Comparative Social Science*, 39(1), 88–106.
- Jameson, K. A. (2005). Introductory remarks on cognition, culture and color experience. *Cross-Cultural Research: The Journal of Comparative Social Science*, 39(1), 5–9.
- Bimler, D. Kirkland, J. and Jameson, K. A. (2004). Quantifying Variations in Personal Color Spaces: Are there Sex Differences in Color Vision? *COLOR Research & Application*, 29(2), 128–134.

- Jameson, K. A. and N. Alvarado. (2003). The Relational Correspondence between Category Exemplars and Naming. *Philosophical Psychology*, 16(1), 26–49.
- Jameson, K. A. and N. Alvarado. (2003). Differences in Color Naming and Color Salience in Vietnamese and English. *COLOR Research & Application*, 28(2), 113–138.
- Alvarado, N. and Jameson, K. A. (2002). The use of Modifying Terms in the Naming and Categorization of Color Appearances. *The Journal of Cognition & Culture*, 2(1), 53–80.
- Alvarado, N. and Jameson, K. A. (2002). Varieties of Anger: Salience in Movement Cues in the Decoding of Meaning in Facial Expressions. *Motivation & Emotion*, 26(2), 153–182.
- Jameson, K. A., S. Highnote and L. Wasserman. (2001). Richer Color Experience in Observers with Multiple Photopigment Opsin Genes. *Psychonomic Bulletin and Review*, 8(2), 244–261.
- Jameson, K. A., J. Kaiwi, and D. E. Bamber. (2001). Color-Coding Information with Psychological-Constant Hue Loci: Assessing Alternative Coding Schemes using Independent Brightness and Hue Dimensions. *Journal of Experimental Psychology: Applied*, 7(2), 112–128.
- Jameson, K. A., M. Appleby and Freeman, L. (1999). Finding an Appropriate Order for a Hierarchy based on Probabilistic Dominance. *Animal Behaviour*, 57, 991–998.
- Jameson, K. (1997). What Saunders and van Brakel Chose to Ignore in Color and Cognition Research. Invited contribution. *Behavioural and Brain Science*, 20(2), 195–196.
- Jameson, K. and D’Andrade, R. G. (1997). It’s not really Red, Green, Yellow, Blue: An Inquiry into Cognitive Color Space. In *Color Categories in Thought and Language*. C. L. Hardin and L. Maffi (Eds.). Cambridge University Press: England. pp. 295–318.
- Jameson, K. (1996). Numerical Scaling Techniques for Evaluating Semiotic Models of Orthographies. *Acta Psychologica*, 92, 169–208.
- Alvarado, N. and Jameson, K. A. (1996). New Findings on the Contempt Expression. *Cognition and Emotion*, 10(4), 379–407.
- Narens, L., Jameson, K. and Lee, V. A. (1994). Subthreshold Priming and Metacognitive Judgments. In *Metacognition*. Bradford Books, M.I.T. Press. J. Metcalfe and A. Shimamura, (Ed.s).
- Jameson, K. (1994). Empirical Methods for Evaluating Generative Semiotic Models: An Application to the Roman Majuscules. In *Writing Systems and Cognition*, the *Neuropsychology and Cognition series*. W. C. Watt, (Ed.) Kluwer Academic Publishers, 248–292.
- Jameson, K. and Romney, A. K. (1990). Consensus on Semiotic Models of Alphabetic Systems. *Quantitative Anthropology*, 2, 289–304.

Jameson, K. A., Narens, L., Goldfarb, K. and Nelson, T. O. (1990). The Influence of Near-Threshold Priming on Metamemory and Recall. *Acta Psychologica*, 73, 55–68.

### Published Abstracts

Jameson, K. A., Joe, K. C., Satalich, T. A., Bochko, V. A., Atilano, S. R., & M. C. Kenney (2019). Color perception in observers with varying photopigment opsin genotypes. *Journal of Vision*, 19(8), 29-29.

Jameson, K. A. & Winkler, A. (2014). New results on color appearance space and the potential for human tetrachromacy. Conference presentation at the Annual Cognitive Sciences Association for Interdisciplinary Learning (CSAIL). Hood River Valley, Oregon. August 2014. Published abstract: *Program for CSAIL, July 31, 2014*.

Jameson, K. A. & Komarova, N. L. (2010). Evolutionary models of color categorization based on realistic observer models and population heterogeneity. *Journal of Vision*, 10(15). doi: 10.1167/10.15.26.

Jameson, K.A., Bimler, D., & L. Wasserman (2005). Color Perception Assessment for Observers With Variable Color Vision Genotypes. In *The Program for the 2005 American Psychological Association Meeting*.

Jameson, K.A., Alvarado, N., & B. Sayim (2005). Semantic and Perceptual Representations of Color and a Cognitive Color-Naming Function. In *The Program for the 2005 American Psychological Association Meeting*.

Martinez, E. & K. A. Jameson. (2003). Evaluating salient cognitive loci in perceptual color space. *Invest. Ophthalmol. Vis. Sci.*, 44, 1912.

Sayim, B., K. A. Jameson, & N. Alvarado. (2003). Color naming relations in perceptual color space. *Invest. Ophthalmol. Vis. Sci.*, 44, 1911.

Jameson, K. A. & L. M. Wasserman. (2002). Color Appearance Variations associated with Photopigment Opsin Genotypes. *Perception*, 31, supplement, 15b.

Martinez, E. K. A. Jameson, and L. Wasserman (1999). Behavioral Assessment and PCR Assay analysis of L-cone opsin genotypes. Poster presented at the Annual meeting of the Association for Research in Vision and Ophthalmology. *Invest. Ophthalmol. Vis. Sci.*

Jameson, K. A., S. Highnote and L. Wasserman. (1998). Understanding Color Appearance Phenomenology: Can Variation in Photopigment Opsin Genes give rise to Individuals with Perceptual Tetrachromacy? *Perception*, 27, supplement, 173b.

Beer, R. D., Jameson, K. A. and J. L. Kaiwi. (1997). Empirical assessment of detection and classification performance with a two-dimensional color code. Poster presented at the Annual meeting of the Association for Research in Vision and Ophthalmology. *Invest. Ophthalmol. Vis. Sci.*



### **In-Preparation**

- Jameson, KA, “Design and implement software resources geared for research training and research development and assessment in clinical domains.” (In-Progress Research) Discovery Eye Foundation (PI Jameson).
- Jameson, K. A., Guo, L., Atilano, S. R. & M. C. Kenney. (in-progress). Preliminary results associating X-linked Opsin genotype variations with risk and progression for Adult-onset Macular Degeneration (AMD). Manuscript in preparation.
- Deshpande, P. S. & Jameson, K. A. (manuscript). Color Naming and Categorization in Bilingual Populations: Korean English Bilinguals.

### **Research Funding:**

#### **Extramural Funded**

- 2017-2018 Ayala BioSci/School of Medicine Pilot Grant Program, to extend work originated by Jameson and Kenney on the relationship between Opsin Photopigment genotypes and AMD risk and progression in clinical and control populations. SOM Ayala-Biological Sciences Pilot Funding ( \$50,000 award).
- 2014-2017 National Science Foundation. IBSS: New methods for investigating the formation of individual and shared concepts and their dynamic dispersion across related societies. NSF - SMA - Interdiscp Behav&SocSci. K. A. Jameson (PI), N. Komarova (Co-PI), D. Wodarz (Co-PI), L. Narens (Co-PI).
- 2011-2014 University of California Pacific Rim Research Program Faculty initiative grant. Investigating concept formation and the linguistic processing of natural categories across Pacific Rim ethnolinguistic groups. K. A. Jameson (PI), P. Kay & R. Cook (Project Consultants).
- 2009-2011 National Science Foundation Supplemental Funding Award. Evolutionary Game Theoretic Investigations into Color Category Evolution. Supplement to NSF-0724228 SES - Methodology, Measurement, & Statistics. N. Komarova (PI), K. A. Jameson (Co-PI), L. Narens (Co-PI), Ragnar Steingrimsen (Co-PI). Request Type: Supplemental.
- 2007–2011 National Science Foundation. Evolutionary Game Theoretic Investigations into Color Category Evolution. NSF-0724228 SES - Methodology, Measurement, & Statistics. N. Komarova (PI), K. A. Jameson (Co-PI), L. Narens (Co-PI), Ragnar Steingrimsen (Co-PI).
- 1999–2002. National Science Foundation. Gender-based considerations for modeling cognition and color appearance. (Jameson, P.I.). NSF#9973903. 07/01/99–01/31/02.
1999. Human Frontier Science Program. Study of Genotype/Phenotype Relationships of Human Color Vision. (Co-Investigator with V. Bonnardel). 07/01/99–12/30/99.

- 1994–1996. National Institute of Mental Health. Quantitative studies of color-semantics and cognition. (Jameson, P.I.). RO3-MH53126-01. 09/01/94–8/31/96.
- 1994–1995. National Research Council Associateship. NRaD Laboratories, San Diego, California. Investigating Color Coding for User-Interface Design.
1993. NSF-NATO Postdoctoral Fellowship in Science and Engineering. Conducted at Institute der Psychologie, Kiel Universitaet, Germany; Professor Dr. Rainer Mausfeld, Scientific Advisor. Award No. RCD–9154448.
- 1991–1993. UC President’s Postdoctoral Fellowship. Department of Anthropology. University of California, San Diego.
1991. NSF-NATO Postdoctoral Fellowship in Science and Engineering. Conducted at Institute der Psychologie, Kiel Universitaet, Germany; Professor Dr. Rainer Mausfeld, Scientific Advisor. Award No. RCD–9154448.
1991. National Science Foundation Minority Postdoctoral Fellowship Special Allowance. Grant No. DIR–9101601.

### Competitive Intramural and Donations

submitted: UC Irvine MIND Alzheimer’s Disease Research Center. Intramural grant proposal: “Development of Translational Resources for Early Detection of Alzheimer’s Disease in Women.” M. Cristina Kenney MD PhD (PI) and Kimberly A. Jameson PhD (PI). Proposed budget. \$100,00.) Submitted May 2022.

March 2018: Memorandum of Agreement and Equipment Award from Konan Medical. “UC Irvine – Konan Medical Interdisciplinary Research Prospectus: Investigating genetically-based Retinal Photopigment variation and color perception measures in clinical retina research populations using Konan Medical’s *ColorDx* system — *A Preliminary Report*.” (awarded equipment estimated at \$45,000.)

Competitive Francisco Ayala Pilot Research Award, School of Medicine and School of Biological Sciences. Proposal Title: “Clinical and Behavioral Investigations of Human Photopigment Opsin Gene Variations and Age-related Macular Degeneration.” PIs: Adriana Briscoe, M. Cristina Kenney, and Kimberly A. Jameson (Project Lead). Awarded: \$48,724. August 2017.

Solicited and obtained private donation for opsin/AMD research. Award of \$20,880 for Jameson & Kenney’s research efforts in July 2016. Award received at Discovery Eye Foundation.

Solicited and obtained private donation for opsin/AMD research. Award of \$18,500 for Jameson & Kenney’s research efforts in August 2016. Award received at Discovery Eye Foundation.

*Calit2-UROP* 2014-2015 Multidisciplinary Design Project Award: Designing Generalizable Crowdsourcing Methods for Large-Scale Database Transcription and Digitalization. Faculty Mentors: Kimberly A. Jameson (Project Lead), IMBS; Ian G. Harris, Computer Science; Sergio Gago Masagu, Calit2; and Sean Tauber, IMBS. Supported student participants: Hiten Ram Bhakta, Nathaniel Benjamin, Zhimin Xiang, Prutha Deshpande, Yang Jiao, and Stephanie Chang.

*Calit2-UROP* 2014-2015 Multidisciplinary Design Project Award: Evolving Self-Organizing Information Systems: Pragmatic Algorithms for Communicating Information. Faculty Mentors: Louis E. Narens (Project Lead), Cognitive Sciences; Kimberly A. Jameson, IMBS; Dominik Wodarz, Ecology

### Awards and Fellowships Funded

2008. U. C. Irvine Faculty Career Development Award. Color categorization stimulation research. Academic year 2008–2009.

2000. Faculty Career Development Award. “Investigating the Biological Basis of Color Perception in Observers with Photopigment Opsin Gene Variation.” 07/01/00–06/30/03.

2000. Hellman Faculty Fellowship Award. “Cross Linguistic Study of the Linkages between Color-Naming, Categorization, Psychological Color Space and Retinal Photopigment Variation.” 07/01/00–06/30/02.

1999. U. C. San Diego BRIDGE Funding Award. “Gender-based differences in color perception.” 02/1/99–08/01/99.

1997. Hellman Faculty Fellowship Award. “Inferring cognitive structure from studies on color processing and cognitive salience.” 07/1/97–06/30/99.

1997. Chancellor’s Summer Faculty Fellowship. “Psychophysical Studies of Color Processing and Cognitive Salience.”

### Recent Selected Talks, Presentations and Seminars:

Jameson, K. A. (2022). “Visual pigment genotyping, data science and machine-learning approaches in translational vision research.” *Invited Grand Rounds Lecture. Department of Ophthalmology, UCI School of Medicine*, April 26, 2022.

Jameson, K. A. (2022). “Color vision in humans and visual psychophysics.” *Invited PHYSIO 272 Lecture. Department of Ophthalmology, UCI School of Medicine*, Feb. 3, 2022.

Jameson, K. A. (2020). “Color vision in humans” *Invited PHYSIO 272 Lecture. Department of Ophthalmology, UCI School of Medicine*, Feb. 11, 2020.

Jameson, K. A. (2018). "Modeling color vision in relation to individual color perception and photopigment opsin genotypes ." *Institute for Mathematical Behavioral Sciences Colloquium series*, May 31, 2018.

Jameson, K. A. (2018). "Color perception in tetrachromatic genotypes." Invited Color Vision Colloquium. University of Reno, Nevada, November 13, 2018.

Jameson, K. A. (2015). "Do you see what I see? Investigating interpersonal comparisons of color experience." *Institute for Mathematical Behavioral Sciences Friday lunch seminar series*. January 23, 2015. UC Irvine, CA.

Jameson, K. A. & Winkler, A. (2014). "Preliminary findings on empirical investigations of potential tetrachromacy." Invited presentation at the Visual Perception Laboratory. University of Nevada, Reno. July 25, 2014.

Jameson, K. A. & Winkler, A. (2014). "Concetta Antico's potential tetrachromacy." Presentation at "The super vision soriee" at The Abbey on 5th Avenue. San Diego, CA. August 15, 2014.

Jameson, K. A. & Winkler, A. (2014). "New results on color appearance space and the potential for human tetrachromacy." Presentation at the Annual Cognitive Sciences Association for Interdisciplinary Learning (CSAIL). Hood River Valley, Oregon. August 2, 2014.

Jameson, K. A. (2014). "Color Perception and Photopigment Opsin Gene Variation." Invited presentation. Gavin Herbert Eye Institute and the Discovery Eye Foundation "Bench to Bedside Symposium." May 2014. UC Irvine Medical School. Irvine, CA.

Jameson, K. A. & Komarova, N. L. (2013) "New formal methods for analyzing conceptual representation of continuous domains: human color similarity relations." Institute for Mathematical Behavioral Sciences colloquium. UC Irvine, December 2013.

Jameson, K. A. (2013). "Applying internet-based research methods to transform a paper archive of the MesaoAmerican color survey data." Invited presentation. Host: G.P. Li, Director. Calit2 at UC Irvine. Irvine, CA. October 2013.

Jameson, K. A. (2011). Invited presentation in the Social Dynamics Seminar. "New results on simulated color categorization behaviors: Considering the impact of structured network interactions and their social dynamics on color category evolution." Presented with L. Narens & S. Tauber. Social Dynamics Seminar in the Department of Logic and Philosophy of Science, UC Irvine. September, 2011.

Jameson, K. A. (2011). “Evolutionary models of color categorization based on realistic observer models and population heterogeneity.” Institute for Mathematical Behavioral Sciences colloquium. UC Irvine, January 2011.

Jameson, K. A. (2011). “Should we be thinking about the potential for human tetrachromacy?” Invited Colloquium. Institut für Psychologie. Christian-Albrechts-Universität zu Kiel. June 2011.

Jameson, K. A. (2011). “Applying internet-based research methods to transform a paper archive of cross-cultural data into a digitally coded open-access research database: Details, ideas and discussion.” Invited Colloquium. Host: Ulf Dietrich Reips. Basque Foundation for Science: Ikerbasque, Deusto University, Bilbao, Spain. July 2011.

Jameson, K. A. (2010). Invited presentation in the Social Dynamics Seminar: “Living with environmental spectra, its relations to Ecology and Signaling, and evolving its representation in Color Language.” Department of Logic and Philosophy of Science, UC Irvine. January 5, 2010.

Jameson, K. A. (2010). “Comparative study of human and animal color processing: Empirical and simulation findings.” Invited colloquium. Department of Psychology, University of Nevada, Reno. August 19, 2010. Host: Michael Webster, Associate Departmental Chair.

Jameson, K. A. (2009). “Psychophysically assessing color vision in humans with the genetic potential for tetrachromacy.” Invited presentation at the U.C. Irvine Medical School Department of Ophthalmology. May 4, 2009. Host: Edward K. Wong, Jr., MD, Professor in the Department of Ophthalmology, UCI Medical School.

Jameson, K. A. (2008). Invited Seminar at the Santa Fe Institute: “Using Evolutionary Game Theory to Investigate Color Category Evolution in Artificial Agent Populations.” September 2008.  
(URL:  
[http://aris.ss.uci.edu/~kjameson/SFI.SeminarAbstract\\_09.11.2008.pdf](http://aris.ss.uci.edu/~kjameson/SFI.SeminarAbstract_09.11.2008.pdf))

### **Presentations at Professional Meetings and Symposia**

Jameson, K. A. (2019). “Visual Processing Phenotypes and Photopigment Opsin Genetics.” Invited Lecture at the UC Irvine School of Medicine’s *Gavin Herbert Eye Institute - 6th annual Bench to Beside Symposium* March 9, 2019.

Jameson, K. A., K. Joe, T. A. Satalich, V. Bochko, S. Atilano & M. C. Kenney. (2018). “Color perception in observers with varying photopigment opsin genotypes”, Invited Presentation at the *Donald I.A. MacLeod Symposium* at the *Optical Society of America Fall Vision Meeting*. University of Reno,

Nevada, September 22, 2018.

- Komarova, N. L. & Jameson, K. A. (2013). “New formal methods for analyzing conceptual representation of continuous domains.” Conference presentation at the UCI Institute for Mathematical Behavioral Sciences. Conference: New mathematical approaches in the Behavioral Sciences. Irvine, CA. December 2013.
- Jameson, K. A. & Komarova, N. L. (2012). “A quantitative theory of human color choices.” Colloquium at the UCI Institute for Mathematical Behavioral Sciences. Irvine, CA. November 2012.
- Jameson, K. A. & Komarova, N. L. (2012). “A quantitative theory of human color choices.” Presentation at the Annual Cognitive Sciences Association for Interdisciplinary Learning (CSAIL). Hood River Valley, Oregon. July 2012.
- Tauber, S. Narens, L. & Jameson, K. A. (2011). “Evolutionary models of color categorization on networks.” Talk at the annual meeting of the American Society for Mathematical Psychology, Tufts University, Medford, MA, July 2011.
- Jameson, K. A. Komarova, N. L. Tauber, S. & Narens, L. (2011). “New results on simulated color categorization behaviors using realistic perceptual models, heterogeneous observers and pragmatic communication constraints.” Presentation at The 17th annual meeting of the Cognitive Science Association for Interdisciplinary Learning. August 2011. Hood River Valley, OR.
- Jameson, K. A. & N. L. Komarova. (2010). “Evolving color categories in artificial agent populations using realistic observer models.” Invited Presentation at the *Optical Society of America Fall Vision Meeting*. To be presented October 24, 2010. Rochester, New York. USA. <http://www.cvs.rochester.edu/fvm.2010/index.html>.
- Jameson, K. A. & N. L. Komarova. (2010). “Evolutionary models of color categorization based on Realistic observer models and Population heterogeneity.” Presentation at the *American Mathematical Psychology Meeting*. August 2010. Portland, Oregon. USA. <http://www.mathpsych.org/conferences/2010/>.
- Jameson, K. A. (2010). “Human potential for tetrachromacy?” Presentation at the Annual Summer Interdisciplinary Conference. August 4, 2010. Bend, Oregon. USA. <http://www.cogs.indiana.edu/asic/2010/index.html>.
- Jameson, K. A. & J. Lomberg. (2010). “The use of color in interstellar message design.” Presentation at the *Astrobiology Science Conference 2010: Evolution and Life: Surviving Catastrophes and Extremes on Earth and Beyond*. April 29, 2010. League City, Texas. USA. <http://www.lpi.usra.edu/meetings/abscicon2010/abscicon20103rd.shtml>.
- Jameson, K. A. & N. L. Komarova. (2008). “Agent-based color categorization: The Role of Population and Color-Stimulus Heterogenities.” At the IMBS Conference on *The Evolution of Psychological Categories*. March 15, 2008. <http://www.imbs.uci.edu/Workshops.html>.

- Jameson, K. A. & N. L. Komarova. (2008). "Evolutionary models of color categorization." At the UCI Institute for Mathematical Behavioral Sciences Conference on *Robustness, Reliability and Evolution*. March 1, 2008.
- Jameson, K. A. (2008). "There is Much More to Color Than What Meets the Eye." Invited presentation for March 7, 2008. At the *Horizons of Vision Research* meeting. Cal State University Long Beach Center for Cognitive Science, Long Beach CA, USA.
- Jameson, K. A., Komarova, N. L., Narens, L., & R. Steingrimsson. (2007). Evolutionary Models of Color Categorization based on Discrimination. Presentation at the *Annual Meeting of the Psychonomics Society*, Long Beach, CA USA. November 17, 2007.
- Komarova, N. L., Jameson, K. A., Narens, L., & R. Steingrimsson. (2007). Evolutionary Models of Color Categorization based on Discrimination. Invited Presentation. Invited presentation in the UCI Human Sciences and Social Complexity Colloquium. Video Stream simulcast and interaction with UCI, UCSD, UCR, UCSB, UCLA and the Santa Fe Institute. May 4, 2007.
- Jameson, K. A. (2007). "What is the role of computer modeling and evolutionary game theory in cross-cultural color categorization research?" Presented at Invited Panel: "A Discussion of New Interdisciplinary Research on Color Naming and Categorization Within and Across Ethnolinguistic Groups." At *The biennial meeting of the Society for Psychological Anthropology*. May 10, 2007. Manhattan Beach, CA. U.S.A.
- Jameson, K. A. & Lomborg, J. (2007). "Color Processing Universals and the Construction of Deep Time Messages." Invited Presentation at *The biennial meeting of the Society for Psychological Anthropology*. May 9, 2007. Manhattan Beach, CA. U.S.A.
- Jameson, K. A., Komarova, N. L. & Narens, L. (2006). "Simulating Color Category Evolution." Presentation at the annual meeting of the *Society for Mathematical Psychology*. July 31, 2006. Vancouver, B.C.
- Jameson, K. A. (2006). "What does it take to show robust color categories within- and across- individuals and languages?" In Symposium entitled: Color Categorization and Naming: Cognitive and Cross-Cultural Investigations. At the Annual Meeting of the American Psychological Science society. May 28, 2006. New York, N.Y.
- Jameson, K. A. (2005). "Semantic and Perceptual Representations of Color." Invited presentation in the *Measurement in Perception Symposium* (Ehtibar Dzhafarov, organizer). October 21st, 2005 at the *Annual International Society for Psychophysics Meeting*.
- Alvarado, N. & Jameson, K.A. (2004). "The role of confidence judgments in lexical comparisons across cultures: The search for a measure of codability." Presentation at the annual conference of the Society for Cross Cultural Research, San Jose, CA.

- Jameson, K. A. (2004). "Color Naming Universals and their Cross-Cultural Variations." Invited presentation in a symposium entitled *Contemporary Research in Color Naming: Alternatives to the Received View*. July 4, 2004. Presented at the *Joint Conference of the Society for Philosophy & Psychology and The European Society for Philosophy & Psychology*, Pompeu Fabra University, Barcelona, Spain.
- Jameson, K. A. (2004). "Modeling Color Categorization across Cultures: Alternative Cognitive Universals linked to Relational Properties of Color Sensation Space." July 2, 2004. Presented at the *Progress in Colour Studies Meeting*. University of Glasgow, Glasgow, Scotland.
- Jameson, K. A. (2004). "How cross-cultural studies of color categorization and naming inform us about general cognitive and linguistic representation across ethnolinguistic groups." April 22, 2004. Presented at the *Center for the Advanced Study of Language (CASL)*. University of Maryland, Baltimore.
- Jameson, K. A. (2003). "Indices of color categorization: How we measure what is cognitively salient." Invited conference presentation entitled *Color Perception: Philosophical and Scientific Perspectives*. October 3, 2003. Department of Philosophy, University of British Columbia, Vancouver, Canada.
- Jameson, K. A., Sayim, B. & Alvarado, N. (2003). "Asymmetries between cognitive and perceptual representations of color: Consequences for theories of color naming." Invited conference presentation entitled *Color Perception: Philosophical and Scientific Perspectives*. October 3, 2003. Department of Philosophy, University of British Columbia, Vancouver, Canada.
- Jameson, K. A. (2002). "Color Perception in Observers with Multiple Photopigment Opsin Gene Polymorphisms." Invited presentation at a conference entitled *Color Perception: Philosophical and Scientific Perspectives*. The Department of Philosophy, University of California, San Diego. October 11, 2002. La Jolla, California.
- Alvarado, N. & Jameson, K.A. (2002). "Color naming and modifier use in Vietnamese and English." Symposium participant, Culture, Cognition and Color, Society for Cross-Cultural Research, Annual Conference, Santa Fe, NM.
- Jameson, K. A. & L. M. Wasserman. (2002). "Color Appearance Variations associated with Photopigment Opsin Genotypes." Presentation *25th European Conference on Visual Perception*. August 26, 2002. Glasgow, Scotland. *Perception*, 31, supplement, 15b.
- Jameson, K. A. (2002). "Cross-Cultural Color Naming, Color Perception and Cognitive Universals." Invited presentation at a conference entitled *Color Perception: Philosophical and Scientific Perspectives*. The Department of Philosophy, University of California, San Diego. October 12, 2002. La Jolla, California.
- Jameson, K. A., D. Bimler, & L. M. Wasserman. (2002). "Assessing Color Perception in Observers with Photopigment Opsin Gene Polymorphisms." Pre-



sentation at the *33rd Annual Meeting of the European Mathematical Psychology Group*. August 23, 2002. Bremen, Germany.

Jameson, K. A. & Alvarado, N. (2002). "Investigations of color naming and color perception: The Search for Cross-Cultural Cognitive Universals." Annual Meeting of the European Association of Social Anthropologists. Workshop entitled "Anthropology of Colour: Colour as a Phenomenon of Culture." August 15, 2002. Copenhagen, Denmark.

Jameson, K. A. (2002). Symposium Organizer and Presenter: "What Cross-Cultural Investigations of Color Naming and Color Perception tell us about Cognitive Universals." Symposium entitled "Culture, Cognition and Color Perception" at the 31st Annual Meeting of the Society for Cross Cultural Research. Santa Fe, New Mexico.

Alvarado, N. & Jameson, K. A. (2002). "Color Naming and Modifier use in English and Vietnamese." Invited Paper in Symposium: "Culture, Cognition and Color Perception." The 31st Annual Meeting of the Society for Cross Cultural Research. Santa Fe, New Mexico.

Jameson, K. A. (2001). "New Findings on the Universality of Color Experience." Invited Presentation in the symposium on "Culture and Cognition" at the 30th Annual Meeting of the Society for Cross Cultural Research. San Diego, California.

Jameson, K. A. & R. G. D'Andrade. (2000). "Culture, Cognition, and Quantitative Methods: Modeling the Representation of Color Experience." Invited presentation at the 29th Annual Meeting of the Society for Cross Cultural Research.

Jameson, K. A., Bonnardel, V., Highnote, S. M. & L. Wasserman. (1999). "Photopigment Opsin Variation and color Sensation." Presentation at the 30th Annual meeting of the European Mathematical Psychology Group.

Jameson, K. A., S. Highnote & L. Wasserman. (1998) "Modeling color appearance: Insights gained from individuals with non-standard photopigment variation." Presentation at the Annual Meeting of the Psychonomics Society. Dallas, Texas.

Jameson, K. A. (1994). "Thurstonian scaling and dominance among Red Deer, *Cervus Elaphus*, L." Invited presentation at the Quantitative Methods session of the Pacific Sociological Association meetings. San Diego, California.

### Selected Poster Presentations

Chan, C., A. Khan, & J. Luu with mentors K. Joe, L. Arroyo, K. A. Jameson, S. Gago, & L. Narens. (2019). "Investigating the Impact of Personality on the Decision-Making Process of Interpersonal Utility Comparisons." UC Irvine UROP Symposium, June 2019.

Mina Jiang with mentors K. Joe, K.A. Jameson, & L. Narens. (2019) "A Variation of an Evolutionary Game Theoretic Framework for Color Categorization Using Replicator Dynamics." UC Irvine UROP Symposium, June 2019.

- Kirbi C. J., V. A. Bochko, T. A. Satalich, S. R. Atilano, M. C. Kenney, & K. A. Jameson. (2019). Second Prize Poster Award. Investigating Variations in Color Perception among Artist and Non-artist Participants with Varying Photopigment Opsin Genotypes. UC Irvine, School of Medicine. *Gavin Herbert Eye Institute's 6th Annual Bench to Bedside Symposium*. March 9, 2019 Arnold and Mabel Beckman Center; 100 Academy Drive, Irvine, CA 92617.
- Doan, J., Frambach, C., Yuh, C., White, K., Chen, Y., Mehta, M., Kenney, M. C., Jameson, K. A., Browne, A. W. (2019) "Evaluating color vision deficiency in patients with epiretinal membranes and its association with retinal surface defects" *The Association for Research in Vision and Ophthalmology Annual Conference*, April 29 - May 2 2019, Vancouver, BC, Canada.
- Yuh, C., Frambach, C., Doan, J., White, K., Chen, Y., Kenney, M. C., Jameson, K. A., Browne, A. W. (2019). "Comparing Digital ConeContrast Threshold assessment in Healthy Normal Individuals with Conventional Standardized Color Vision Diagnostics." *The Association for Research in Vision and Ophthalmology Annual Conference*, April 29 - May 2 2019, Vancouver, BC, Canada.
- Bochko, V. A. & K. A. Jameson. (2018) Investigating Potential Human Tetrachromacy in Individuals with Tetrachromat Genotypes Using Multispectral Techniques. Poster presented at The Munsell Centennial Color Symposium. March 23, 2018 Boston, MA.
- Bochko, V. A. & K. A. Jameson. (2018) Investigating Potential Human Tetrachromacy in Individuals with Tetrachromat Genotypes Using Multispectral Techniques. Third Prize Poster Award. Gavin Herbert Eye Institute's 5th Annual Bench to Bedside Symposium. March 23, 2018 Arnold and Mabel Beckman Center; 100 Academy Drive, Irvine, CA 92617.
- Bochko, V. A. & K. A. Jameson. (2018) Investigating Potential Human Tetrachromacy in Individuals with Tetrachromat Genotypes Using Multispectral Techniques. January 2018. *Human Vision and Electronic Imaging Conference*. Burlingame, CA.
- Benjamin, N. & B. B. Huynh. (2016) Building and Testing a Custom User-Interface for the Crowdsourced Transcription of a Large Handwritten Database of Color Categorization Data. Undergraduate Research Opportunity Conference UC Irvine. K. A. Jameson & S. Gago, Mentors.
- Deshpande, P.S., Tauber, S., Chang, S.M., Gago, S., & Jameson, K.A. (2015). A Cultural Consensus Theory Analysis of Crowdsourced Transcription Data. Published Abstract in the *Proceedings of the Annual Meeting of the Society for Mathematical Psychology*, Newport Beach, CA, United States.
- Stehr, D., N. Alvarado & K. A. Jameson. (2014). "Interpretation of Meaning in Neutral Facial Expression." *The inaugural conference of the Society for Affective Sciences (SAS)*. April 2014. Bethesda, Maryland.
- Alvarado, N. & Jameson, K. A. (2006). Culture Contributes Little to the Semantic Structure of Emotion Terms: A Cross-Cultural Comparison of Viet-

- namese and English Bilingual and Monolingual Speakers. Poster presented at *The annual American Psychological Science meeting*. May 25, 2006. New York, N.Y.
- Jameson, K.A., Bimler, D., and L. Wasserman (2005). Color Perception Assessment for Observers With Variable Color Vision Genotypes. Poster presented at *The annual American Psychological Society meeting*. May 27, 2005. Los Angeles, California.
- Jameson, K.A., Alvarado, N., and B. Sayim (2005). Semantic and Perceptual Representations of Color and a Cognitive Color-Naming Function. Poster presented at *The annual American Psychological Society meeting*. May 28, 2005. Los Angeles, California.
- Sayim, B., Jameson, K.A. & Alvarado, N. (2003). Color naming relations in perceptual color space. Poster presented at the annual conference of the Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL.
- Jameson, K. A. & Alvarado, N. (2000). "Color-Naming and Categorization in Vietnamese and English." Poster. The Annual Meeting of The Psychonomic Society. New Orleans, Louisiana.
- Martinez, E. K. A. Jameson, and L. Wasserman (1999). "Behavioral Assessment and PCR Assay analysis of L-cone opsin genotypes." Poster. Annual meeting of the Association for Research in Vision and Ophthalmology (ARVO). Ft. Lauderdale, Florida.
- Alvarado, N. & Jameson, K. (1999). "Varieties of anger." Poster. The annual meeting of The Psychonomic Society, Los Angeles, CA.
- Jameson, K. A., S. Highnote and L. Wasserman. (1998). "Understanding color appearance: Can variation in photopigment opsin genes give rise to individuals with perceptual tetrachromacy?" Poster. European Conference on Visual Perception. Oxford, England.
- Jameson, K. A., S. Highnote and L. Wasserman. (1998). "Photopigment opsin genes and color perception." Poster. Annual Meeting of the Optical Society of America. Baltimore, Maryland.
- Beer, R. D., Jameson, K. A. and J. L. Kaiwi. (1997). "Empirical assessment of detection and classification performance with a two-dimensional color code." Poster at the Annual meeting of the Association for Research in Vision and Ophthalmology (ARVO).

### Colloquia

- Jameson, K. A. & N. Alvarado (2008). "The Interplay between Culture, Cognition and Neurophysiology in the Categorization of Color." Invited Psychology Department Colloquium in the Cognitive Psychology lunch series, U. C. Riverside. Host: Dale Barr. January 9, 2008.

- Jameson, K. A. (2003). "Culture & Cognition: What is Universal about the Representation of Color Experience?" Invited colloquium given at the Department of Psychology and Social Behavior University of California, Irvine. Feb. 24, 2003.
- Jameson, K. A., S. Highnote & L. Wasserman. (2000). "Richer Color Experience in Observers with Multiple Photopigment Opsin Genes." UC Irvine Cognitive Sciences Colloquium.
- Alvarado, N. & Jameson, K. (2000). "Varieties of Anger." Department of Psychology, New York University, N.Y.
- Alvarado, N. & Jameson, K. (2000) "Varieties of Anger." Thomas J. Watson Research Center. IBM Research, Yorktown Heights, N.Y.
- Alvarado, N. & Jameson, K. (1993). "Resolving the contempt controversy." Invited presentation at the Department of Psychology, San Francisco State University.
- Jameson, K. A. (1993). "Research Issues in Color and Cognition." Kiel Color Group Seminar. Institut für Psychologie, Christian-Albrechts Universität, Kiel Germany.
- Jameson, K. A. (1991). "Formal modelling and testing of symbolic communication systems: An empirical examination of a generative model of the upper-case English alphabet." Colloquium given at the Psychologisches Institute, Rheinische Friedrich Wilhelms Universität der Bonn; Bonn, Germany.
- Jameson, K. A. (1991). "Formal modelling and testing of symbolic communication systems: An empirical examination of a generative model of the upper-case English alphabet." Colloquium given at the Psychologisches Institute der Universität Heidelberg; Heidelberg, Germany.

### **Current Professional Membership**

Member of the American Society for Philosophy & Psychology.  
Behavioral and Brain Sciences, Associate Member.  
Society for Mathematical Psychology.  
Member of the European Mathematical Psychology Group.

## **3 Professional Service:**

November 2 & 3 2018: Jameson organized and carried out the IMBS conference entitled: "The Formal Modeling and Analysis of Color Categorization: Innovations and Insights since Berlin and Kay (1969)". Attendees included a notable set of distinguished National Academy Members and other internationally recognized faculty who presented on and discussed novel advances in Color Categorization Research.

- 2016-present: Jameson regularly mentors and financially supports Social Science graduate student research, and theses, as well as student researchers from UCIs Medical School and School of Engineering from research funding awards she has obtained.
- 2017-present: Jameson has actively served as a reviewer of proposals for extramural funding (e.g., Swiss National Science Foundation, National Science Foundations).
- 2017-present: She actively participates in IMBS review committees (e.g., 2018 IMBS Postdoctoral Applicants, 2019 IMBS Faculty hiring committee).
- 2013–2018: Advisory Board Member. “New Horizon’s Message Initiative” and “One Earth: New Horizons Message”. (URL: [www.newhorizonsmessage.com](http://www.newhorizonsmessage.com)). A crowd-sourced self-portrait of humanity to send to the stars on NASA’s Pluto Mission, *New Horizons*. Project consulting includes advising on scientific content, data collection, internet-based research approaches, and fund raising.
- 2010–2018: Associate Field Editor of the “Language and Cognition” section of the *Encyclopedia of Color Science and Technology*. Ronnier Luo (Ed.). Springer Publishers. (URL: <http://refworks.springer.com/mrw/index.php?id=2983>)
- Panelist for the National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT) Preliminary Proposal review panel. June 14–15, 2010 at the National Science Foundation, Arlington Virginia, USA.
- Co-organizer (with L. Narens & N. Komarova) of the IMBS Conference on *The Evolution of Psychological Categories*, (March 14–16, 2008). <http://www.imbs.uci.edu/Workshops.html>.
- 2007–present. Organized, presented in, and administered a new IMBS critical science reading group (weekly meetings during summer and the academic year): Cognition and Color Reading Group. (See <http://aris.ss.uci.edu/~kjameson/ColorCog.html>).
- January 2006 – present. Organized and participated in a UC Irvine IMBS research group: *UCI Color Evolution Laboratory* (including participating faculty and researchers from IMBS, Mathematics, and Cognitive Sciences departments) conducting on-going scientific research on color category learning and development using evolutionary game theoretic modeling in simulated agent populations.
- Symposium Organizer and Chair of an International Symposium on the multidisciplinary study of color categorization and cognition. Symposium Title: “Color Categorization and Naming: Cognitive and Cross-Cultural Investigations.” The biennial meeting of the Society for Psychological Anthropology. March 9, 2007. Manhattan Beach, CA., U.S.A.
- Discussion Panel Organizer and Conveener. Discussion Session entitled: “Color Categorization and Naming: Cognitive and Cross-Cultural Investigations.”

The biennial meeting of the Society for Psychological Anthropology. March 10, 2007. Manhattan Beach, CA., U.S.A.

Symposium Organizer for the APS 2006 convention. Symposium entitled: *Color Categorization and Naming: Cognitive and Cross-Cultural Investigations*. The Annual Meeting of the American Psychological Science society. May 28, 2006. New York, N.Y.

AD HOC Reviewer for *The Anthropology of Color: Multilevel Modelling*. Paramei, G., Dedrick, D. & MacLaury, R. E. (Ed.s). Consulting Editor: Anke de Looper, John Benjamins Publishing Company.

AD HOC Reviewer for Journals: *COLOR Research and Application* (2008, 2009, 2010, 2011, 2012), *Journal of the Optical Society of America, A* (2009, 2010, 2011), *Journal of the Royal Society: Interface* (2008, 2011), *Journal of Vision* (2009, 2010, 2011), *Journal of Experimental Psychology: Applied* (2009), *Bilingualism: Language and Cognition* (2008, 2009), *Journal of Theoretical Biology* (2010, 2011), *Philosophical Psychology* (2009, 2010), *Perception* (2009), *Action, Perception & Psychophysics* (2010), *Cross-Cultural Research*, *Journal of Cognition and Culture*, *Psychological Methods*, *Journal of Experimental Psychology: General*, and *Memory and Cognition*.

AD HOC Reviewer for the National Social Science Funding Agency of the Canadian Government. 2004.

AD HOC Proposal Reviewer: *National Science Foundation* (2008, 2009, 2010, 2011).

1995. Chaired Session: "Learning and Memory." *Annual Meeting of the European Mathematical Psychology Group*. Regensburg, Germany.

2002. Symposium Organizer of the Annual Meeting of the Society for Cross-Cultural Research: *Culture, Cognition and Color Perception*. Santa Fe, NM.

2002–2005. *Guest Editor* for two journal issues devoted to Cross-cultural studies of color cognition, categorization and naming published in February and May 2005 as volumes 39(1) & volume 39(2) for the journal *Cross-Cultural Research: The Journal of Comparative Social Science*.

2003–2005. *Guest Editor* for a journal issue devoted to Studies of color cognition, categorization and naming published in November 2005 as volume 5(3/4) for the *Journal of Cognition & Culture*.

## Community, University, Campus and Departmental Service:

### Community

October 2006 – present. Appointed member of the Newport Beach City Council, Environmental Quality Affairs Committee.

- 1999–2003. Annual UC San Diego-Sweetwater School District *Adelante Latino Conference*. Co-organizer and Planning Committee Member (Educational outreach activity serving all South-East San Diego County Middle School students in college access and preparedness). *Conferences held Spring 1999, 2000, 2001, Spring and Fall 2002.*
- 1998–2005. Associate Member of the National Council of La Raza.
1996. Invited Discussant: “Latinas Making in-roads into the Sciences: ¿Somos Científicos, y Que?” *Mujeres Activas para Letras y Cambio Social* (M.A.L.C.S.) Summer Institute. San Diego State University.

### University of California

- 2001–2003. *Chair of The University of California President’s Postdoctoral Fellowship Program Faculty Advisory Committee (UCPPFP)*. Service Description: As Chair of this UC-wide Faculty Advisory Committee Member to the UCPPFP my service included: Supervision of postdoctoral review and appointment proceedings. Progress monitoring of postdoctoral tenures. Contributions towards development and implementation of: (1) policies intended to optimize diverse representation of areas of study that the program supports, and (2) State- and Federally-compliant criteria for program applicant submissions, evaluation and award proceedings. Supervision and participation in annual orientation and spring conference programs. Recruitment of UCPPFP Faculty Advisory Committee members.
2002. Faculty Panelist. UC President’s Postdoctoral & Predoctoral Fellow Program Fall Orientation. Oakland, CA. October 25, 2002.
2002. Faculty Panelist. UC President’s Postdoctoral Fellow Program Spring Retreat. Arrowhead, CA. April 12-14, 2002.
2002. Chair of Social Sciences Applications Review panel for the UC Presidents Postdoctoral Fellowship Program meeting. Oakland, CA. January 11, 2002.
- 1998–2003. *The University of California President’s Postdoctoral Fellowship Program Advisory Committee Member.*
1996. Sponsor of *U. C. Regents Lecturer* Jon Lomberg.
- 1995–1998. *The University of California President’s Postdoctoral Fellowship Program Faculty Affiliate.*

### UC San Diego Campus

2002. Faculty Panelist and Presenter. “Careers in Research and the Professorate for Humanities and the Social Sciences.” Academic Success and Research Symposium: Technology and Society across the Disciplines. UCSD Coalition for Excellence and Diversity in Mathematics, Science and Engineering. April 27, 2002.

2002. Committee member and co-organizer of UCSD Annual Cesar Chavez celebration. "Latinos and Higher Education." A one-day conference and workshop including invited speakers: Dr. Antonia Darder (Claremont Graduate School) and Dr. Eugene Garcia (UC Berkeley).
- 1995–2001 Faculty Advisor to UC San Diego student organization Mujeres Unidas para Justicia, Educacion y Revolucion. (M.U.J.E.R.).
2002. Academic Senate Interdisciplinary Research Program Award (#RB106-I). Student Academic Success and the Issue of Diversity: A Lecture Series and Workshop. Co-Awardee. (\$3,500.00; 01/01/02–12/31/02.)
2002. Faculty Organizer and Chair of the Annual Adelante Latinos Conference Planning Committee. Conference March 16th, 2002 at UCSD Price Center in sponsored by *ASUCSD* and the Office of CREATE, with Sweetwater Unified School District.
2002. Committee Member of the Annual UCSD Cesar Chavez celebration. "Latinos and Higher Education." (one-day conference and workshop).
- 2001–2003. UCSD Latino/a Faculty Concilio Activist and Member of the UC San Diego Latino Faculty Concilio.
- 2001–2003. UCSD Chicano Faculty Advisory committee to Undergraduate Admissions Office. (a.k.a. Workshop on Undergraduate Admissions and Yield Activities for Under-represented Students) Meeting Dates: 1/10/01, 12/08/01, 02/09/02, 04/27/02, 06/29/02.
- 1999–2003. Office of Academic Support and Instructional Services (O.A.S.I.S.) Faculty Advisory Committee.
2000. Academic Enrichment Program (AEP) Director Search Committee.
- 1997–1999. Faculty Presider at the Annual UCSD Undergraduate Research Conference.

### Psychology Department, UC San Diego

- 1995–2003. *Psychology Department Diversity Representative* (Designated as the "Psychology Department Academic Senate Faculty/Graduate Student Representative" during '95-'98).
- 1998 & 1999. *Reach For Tomorrow*. An academic outreach program for under-represented minorities. Faculty Participant and event co-organizer.
- I also served several years on the Departmental Graduate Admissions Committee, Graduate Affairs committee, Cognitive Hiring committee, and contributed yearly to the Psychology Honors Lecture series.*

### Supervision of Undergraduate and Graduate Students and Postdoctoral Fellows:

#### Undergraduate Students



- 2015-present: Co-Author, Research Supervisor, and salary support for for Nicole Fider, Department of Mathematics Graduate Student.
- 2015-Present: Advisor for Kirbi Joe, IMBS Graduate Student and former UCI undergraduate.
- 2014-present: Co-Advisor for Prutha Deshpande, Cognitive Sciences Honors undergraduate.
- 2010-2011: Advised Undergraduate students Kevin Albright (UCI Business School), Michelle Ngo (UCI Social Sciences), and Nestor Ramirez (CSU CALPOLY Pomona) on directed independent study research.
- 1996–2000. Faculty Mentor to UCSD Exceptionally Talented Freshman (MPETF Academic Enrichment Program): Robert LaCivita.
- 1996–1999. Faculty Advisor to Undergraduate Scholastic Grant Proposals: Adrianna Lewis (1996), Dirk Beer (1996), Allison Ha Nguyen (1996) William Chappell, (1996), Nanette Mata (1998) , Melissa Camara, Jerome Gamilla.
- 1997/'98/'99/'02. Faculty Mentor for Student Presenters at the Annual UC San Diego Undergraduate Research Conference. Student Presentations Supervised: William Chappel, Adrianna Lewis, Allison Ha Nguyen, Samuel M. Girguis, Christian J. Ochoa, Troy Seeley, Anna M. Pena, Haison Ngo, Melissa Camara, Jonathan Wortman.
- 1998–1999. Faculty Advisor (co-Advising with Dr. Nancy Alvarado) to SIGMA XI Grant-in-Aid Awarded to Melissa Camara.
- 1998–1999. Faculty Advisor (co-Advising with Dr. Nancy Alvarado) to Chancellor's Research Scholarship Awarded to Melissa Camara.
2000. Undergraduate Honors Thesis Advisor (co-Advising with Dr. Nancy Alvarado): Melissa Camara.

### **Graduate Students and Postdoctoral Fellows**

Support and Supervision:

- 2016– present. Kirbi Joe, Graduate Student in MBS.
- 2013-2014. Hired and supported research for UCI-IMBS graduate student Daniel Wolf.
- 2013-2014. Hired and supported research for Alissa Winkler PhD (IMBS Assistant Specialist, UCI).
- 2012-present. Hired and supervising Ayden Parish (UC Berkeley, Linguistics) and Lisa Guo (IMBS, UCI) for research on the UC Pacific Rim project.
- 2012-present. Research advisor for Graduate Student Lisa Guo (Statistics and IMBS, UCI), and Researcher Daniel Stehr (IMBS, UCI).
- 2009-2010 & 2013-2014. Advised and provided research assistance and support for Graduate Student: Alissa Winkler (Cognitive Sciences, UCI).

2009. Organized attendance and funded participation in the *Photo Research Color Science Training Seminar* for Alissa Winkler (UCI, Cognitive Sciences) and Ragnar Steingrímsson (UCI, Cognitive Sciences). September, 2009.
2002. Host and Advisor to Bilge Sayim, Fulbright Fellowship recipient, visiting from Kiel University, Germany during Academic year 2002-2003.
- 1997 – 2003 Faculty Advisor and Dissertation Chair to Elizabeth Martinez. (Defended Ph.D. Thesis and completed all degree requirements in Summer 2003.)
- 1996 – 2003 Faculty Advisor and Dissertation Co-Chair to Susan Highnote. (Defended Ph.D. Thesis and completed all degree requirements in Spring 2003.)
- Appointed Ph.D. Dissertation Committee Chair: Susan M. Highnote (2000), Elizabeth Martinez (2000).
- Ph.D. Qualifying Paper Committee Member: Antigona Martinez (1998), Karen L. Gunther (1999), Susan M. Highnote (1999), Elizabeth Martinez (2000).
- 1998–1999 Faculty Advisor, First-Year Research Project supervisor, and Ph.D project supervisor Kristine McDermott, M.A.

### 2018-2019 Student Mentoring

- Joe, Kirbi – IMBS UC Irvine (2016–present).
- Kirbi C. J., V. A. Bochko, T. A. Satalich, S. R. Atilano, M. C. Kenney, & K. A. Jameson. (2019). Second Prize Poster Award. Investigating Variations in Color Perception among Artist and Non-artist Participants with Varying Photopigment Opsin Genotypes. UC Irvine, School of Medicine. *Gavin Herbert Eye Institute's 6th Annual Bench to Bedside Symposium*. March 9, 2019 Arnold and Mabel Beckman Center; 100 Academy Drive, Irvine, CA 92617.
- Chan, C., A. Khan, & J. Luu with mentors K. Joe, L. Arroyo, K. A. Jameson, S. Gago, & L. Narens. (2019). “Investigating the Impact of Personality on the Decision-Making Process of Interpersonal Utility Comparisons.” UC Irvine UROP Symposium, June 2019.
- Mina Jiang with mentors K. Joe, K.A. Jameson, & L. Narens. (2019) “A Variation of an Evolutionary Game Theoretic Framework for Color Categorization Using Replicator Dynamics.” UC Irvine UROP Symposium, June 2019.
- Goyabadi, Maryam – IMBS UC Irvine (2016–present).
- Clara Yuh – University of California Irvine, College of Medicine and Western University of Health Science Medical School (2018–present).
- Caroline Frambach – University of California Irvine, College of Medicine (2018–present).
- John Doan – University of California Irvine, College of Medicine and Medical College of Wisconsin (2018–present).

Kayla White – University of California Irvine, College of Medicine (2018–present).

Yanjun Chen – University of California Irvine, . Institute for Clinical and Translational Science (2018–present).