

Curriculum Vitae

Kristen L. Bub

Work Address

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Education

- Ed.D. Human Development and Psychology, Harvard Graduate School of Education, 2008
- M.Ed. Human Development & Methodology, Harvard Graduate School of Education, 2004
- B.A. Psychology, Mount Holyoke College, with High Honors, 1997

Research Interests

- Early Care and Education
- Social Skills and Behavior Problems
- Poverty and Child Development
- School Readiness/School Achievement
- Neighborhood Risk

Professional Experience

Auburn University:

- Assistant Professor, Human Development and Family Studies, College of Human Sciences, August 2008 – present

Harvard University:

- Doctoral Student, Human Development and Psychology, Graduate School of Education, 2002 to 2008
- Research Associate, Three to Third Intervention Project, January 2007 to present
- Doctoral Research Assistant, 2002 to 2008
- Research Assistant, 2000 to 2002

University of New Hampshire:

- Research Assistant, 1997 to 2000

Other:

- Instructor, Interuniversity Consortium for Political and Social Research (ICPSR) Summer Workshop, 2009.
- Instructor, American Psychological Association Advanced Training Institute, 2008; 2007; 2006; 2004; 2003

Honors & Awards

- Fellow, National Institute of Child Health and Human Development Summer Institute on Applied Child and Adolescent Development, 2009.
- Finalist, Exemplary Dissertation Award, Spencer Foundation, 2009
- Spencer Dissertation Fellow, 2007-2008
- Class Marshall for Commencement, Harvard Graduate School of Education, 2008
- Student Orientation Speaker, Dean's Welcoming Ceremony, Harvard Graduate School of Education, 2007
- Dissertation Proposal Passed as a Model, April 2007
- Spencer Research Training Grant, 2004-2007
- Stephen G. and Wanda W. Jones Scholarship, May 2005
- Qualifying Paper Passed with Distinction, April 2005
- Dana M. Cotton Fellowship, 2003-2004
- Roy E. Larsen Fellowship, 2002-2003

Professional Affiliations

- Member, Society for Research in Child Development
- Member, American Educational Research Association
- Member, American Psychological Association
- Member, National Association for the Education of Young Children

Teaching

Auburn University

- Advanced Research Methods I & II, 2008
- Research Methods in Human Development and Family Studies, 2008

Harvard University, Graduate School of Education

- Teaching Fellow for Research Methods Center, 2007-2008
- Teaching Fellow for Doctoral Proseminar, 2006-2007; 2005-2006

- Teaching Fellow for Poverty and Child Development Course, 2007
- Teaching Fellow for Introductory Statistics, 2006
- Teaching Fellow for Longitudinal Data Analysis Course, 2006; 2004
- Teaching Fellow for Doctoral Proseminar in Human Development, 2004-2005
- Teaching Fellow for Causal Inferences Course, 2005
- Teaching Fellow for Intermediate Statistics Course, 2004; 2002
- Teaching Fellow for Multivariate Statistics Course, 2003; 2002
- Teaching Fellow for Research Practicum Course, 2003; 2002

Specialized Training

- National Institute of Child Health and Human Development on Applied Research in Child and Adolescent Development
- American Psychological Association Advanced Training Institute on Structural Equation Modeling
- Incredible Years Socio-Emotional Curriculum

Editing/Reviewing Activities

- Reviewer, *American Educational Research Journal*
- Reviewer, *Early Childhood Research Quarterly*
- Reviewer, *Child Development*
- Reviewer, *Journal of Children in Poverty*
- Reviewer, *Journal of Early Adolescence*
- Reviewer, *Journal of Family Psychology*

Service Activities

- Member, Student and Early Career Council, Society for Research in Child Development, April 2005 – April 2009
- Student Representative, Society for Research in Child Development Policy and Communications Committee, April 2005-March 2007
- Member, Society for Research in Child Development Dissemination Task Force, 2005-March 2007
- Member, Student Advisory Panel for the Committee on Doctoral Studies, Harvard Graduate School of Education, 2004-2005; 2003-2004
- Doctoral Peer Academic Counselor, 2004-2005
- Member, Doctoral Admissions Committee, Harvard Graduate School of Education, 2004

Publications

Monographs and Books:

- McCartney, K., Burchinal, M., & Bub, K.L. (Eds.) (2006), Best practices in quantitative methods for developmentalists, *Monographs of the Society for Research in Child Development*, 71(3). Boston, MA: Blackwell Publishing.

Journal Articles:

- Bub, K.L. (2009). Testing the effects of classroom supports on changes in children's social and behavioral skills using latent growth curve modeling. *Applied Developmental Science*, 13, 130-148.
- McCartney, K., Burchinal, M., Clarke-Stewart, K.A., Bub, K.L., Owen, M.T., Belsky, J., & the NICHD Early Child Care Research Network. (in press). Testing a series of causal propositions relating time spent in child care to children's externalizing behavior. *Developmental Psychology*.
- Bub, K.L., Willett, J.B., McCartney, K., Murnane, R.J., & Weissbourd, R. (revise-resubmit). Classroom supports for academic achievement: Testing the mediating effect of social competence using latent growth modeling. *American Education Research Journal*.
- Raver, C.C., Jones, S.M., Li-Grining, C., Zhai, F., Bub, K.L., & Pressler, E. (revise-resubmit). Targeting children's behavior problems in preschool classrooms: A cluster randomized controlled trial. *Child Development*.
- Watamura, S.E., Phillips, D.A., Morrissey, T.W., McCartney, K., & Bub, K.L. (revise-resubmit). Double jeopardy: Poorer social-emotional outcomes for children in the NICHD SECCYD experiencing home and child care environments that confer risk. *Child Development*.
- McCartney, K., Dearing, E., Taylor, B.A., & Bub, K.L. (2007). Quality child care supports the achievement of low-income children: Direct and indirect effects via caregiving and the home environment. *Journal of Applied Developmental Psychology*, 28, 411-426.
- Bub, K.L., McCartney, K., & Willett, J.B. (2007). Behavior problem trajectories and first grade cognitive ability and achievement skills: A latent growth curve analysis. *Journal of Educational Psychology*, 99, 653-670.
- McCartney, K., Bub, K.L., & Burchinal, M. (2006). Selection, detection, and reflection. In K. McCartney, M. Burchinal, & K.L. Bub (Eds.), *Best Practices in Quantitative Methods for Developmentalists, Monographs of the Society for Research in Child Development*, 71(3). Boston, MA: Blackwell Publishing.
- Mulvaney, M., McCartney, K., Bub, K.L., & Marshall, N.L. (2006). Determinants of dyadic scaffolding and cognitive outcomes in first graders. *Parenting: Science and Practice*, 6(4), 297-320.
- Bub, K.L., & McCartney, K. (2004). On child care as a support for maternal employment wages and hours. *Journal of Social Issues*, 60, 819-834.
- Ayoub, C., Rappolt-Schlichtmann, G., Bub, K.L., Guinee, K., Willett, J. & Pan, B. (under review). When and why families leave the Early Head Start Research and Evaluation Project: A discrete-time survival analysis of attrition. *Applied Developmental Science*.

Manuscripts in Preparation:

- Bub, K.L. & O'Connor, E.E. (in preparation). The role of family, neighborhood, and school environment in children's language and mathematics achievement. *Developmental Psychology*
- Bub, K.L., Yoshikawa, H., Myers, R., & McCartney, K. (in preparation). Early childhood education in Mexico: Expansion and quality improvement. *Early Childhood Research Quarterly*.
- Bub, K.L., McCartney, K., Epps, S. R. (in preparation). Using survival analysis to predict poverty status over time.
- Tu*, K., & Bub, K.L. (in preparation). Predicting children's achievement: The role of parental involvement and the home environment.

Book Chapters:

- Bub, K.L. (2008). Child care and early education. In D. Carr, R. Crosnoe, M.E. Hughes, Pienta, A. (Eds.), *Encyclopedia of the life course and human development, sociology of childhood*. Macmillan Reference USA.
- Murnane, R.J., Willett, J.B., Bub, K.L., & McCartney, K.M. (2006). Understanding trends in the black-white achievement gaps during the first years of school. In G. Burtless & J. Rothenberg Pack (Eds.), *Brookings-Wharton papers on urban affairs: 2006* (pp. 97-127). Washington, DC: Brookings Institution Press.
- Yoshikawa, H., McCartney, K., Myers, R., Bub, K.L., Lugo-Gil, J., Ramos, M.A., & Knaul, F. (2006). Educación preescolar en México (Preschool Education in Mexico). In Reimers, F. (Ed.) *Aprender Más y Mejor: Políticas, programas y oportunidades de aprendizaje en educación básica en México*. México: Fondo de Cultura Económica; SEP; Escuela de Posgrado en Educación de la Universidad de Harvard; ILCE.
- Willett, J.B., & Bub, K.L. (2004). Latent growth curve analysis. In D. Rindskoph (Ed.) *Encyclopedia of statistics in the behavioral sciences*. Sussex, UK: John Wiley and Sons.

Reports:

- Yoshikawa, H., McCartney, K., Myers, R., Bub K.L., Lugo-Gil, J., Ramos, M.A., & Knaul, F. (2007). Early childhood education in Mexico: Expansion, quality improvement and curricular reform, *Innocenti Working Paper No.2007-03*. Florence, UNICEF Innocenti Research Centre.
- Yoshikawa, H., McCartney, K., Myers, R., Bub, K.L., Knaul, F., & Lugo-Gil, J. (2006). *Preschool education in Mexico*.

Presentations

Papers:

- Bub, K.L. (April, 2009). *Testing the effects of classroom supports on children's social and behavioral skills at key transition points*. Paper to be presented at the Biennial Meetings of the Society for Research in Child Development, Denver, CO.
- Bub, K.L., Willett, J.B., McCartney, K., Murnane, R.J., & Weissbourd, R. (April, 2009). *Classroom supports for academic achievement: Testing the mediating effect of social competence using latent growth modeling*. Paper to be presented at the Biennial Meetings of the Society for Research in Child Development, Denver, CO.
- Bub, K.L., Raver, C.C., Jones, S.M., Li-Grining, C.P., Zhai, F., & Pressler, E. (April, 2009). *CSRP's impact on preschoolers' pre-academic skills: self-regulation and teacher-student relationships as two mediating mechanisms*. Paper to be presented at the Biennial Meetings of the Society for Research in Child Development, Denver, CO.
- Bub, K.L., & O'Connor, E., (March, 2008). *The role of family, neighborhood and school environment in children's language and math achievement*. Paper presented at the Annual Meeting of the American Educational Research Association, New York City, New York.
- O'Connor, E., & Bub, K.L. (April, 2007). *Family, school and neighborhood factors associated with children's elementary school performance: A mixed-methods analysis*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, Illinois.
- Murnane, R.J., Willett, J.B., Bub, K.L., & McCartney, K.M. (2006, January). *Understanding trends in racial/ethnic achievement gaps during elementary school*. Paper presented at the Annual American Economics Association meeting, Boston, Massachusetts.

- Murnane, R.J., Bub, K.L., Willett, J.B., & McCartney, K.M. (2006, December). Understanding black-white achievement differences during the first years of school. *Brookings Wharton Papers on Urban Affairs*.
- Bub, K.L., Murnane, R.J., Willett, J.B., & McCartney, K.M. (2005, November). *Explaining puzzling patterns in black-white achievement gaps*. Paper presented at the Association of Policy Analysis and Management meeting, Washington, D.C.
- Bub, K. L., McCartney, K., & Willett, J.B. (April, 2005). *Predicting school readiness from developmental change in behavior problems: Is child-care quality a moderator?* Paper presented at the Biennial Meetings of the Society for Research in Child Development, Atlanta, Georgia.
- Pan, B.A., Snow, C.E., Bub, K.L., & Mages, W. (April, 2005). *Early predictors of pre-kindergarten language and literacy skills of children from low-income families*. Paper presented at the Biennial Meetings of the Society for Research in Child Development, Atlanta, Georgia.
- Bub, K.L., McCartney, K., & Marshall, N.L. (July, 2004). *The effects of unsupervised care on children's social and cognitive development: Results from the Boston After-school Experiences Study*. Paper presentation at the Annual Meetings of the American Psychological Association, Honolulu, Hawaii.
- Bub, K., McCartney, K., & Marshall, N.L. (2003, April). *Predictors of entry into unsupervised care using discrete-time hazard models*. Paper presented at the Biennial Meetings of the Society for Research in Child Development, Tampa, Florida.

Posters:

- Bub, K.L. (March, 2008). *Classrooms supports for academic achievement: Testing the mediating effect of social competence using latent growth curve analysis*. Poster presented at the Annual Meeting of the American Educational Research Association, New York City, New York.
- Bub, K.L., & McCartney, K. (March, 2007). *The role of chronicity, duration, and onset of borderline clinical behavior problems in children's fifth grade academic success*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Boston, Massachusetts.
- McCartney, K., Bub, K.L., Caronongan, P., Berry, D., Dearing, E.C., & Taylor, B.A. (April, 2005). *Using survival analysis to predict poverty status over time in the nichd study of early child care and youth development dataset*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Atlanta, Georgia.
- Friedman, S.L., Bub, K.L., Teufel, J., & McCartney, K. (April, 2005). *Predicting school readiness at age 4-1/2 from children's engagement with objects and from their talking with others at age 3*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Atlanta, Georgia.
- Pan, B.A., Snow, C., Bub, K.L., Mages, W., Roggman, L., Boyce, L., Luze, G., Tamis-LeMonda, C., & Raikes, H. (2004, June). *Child and environmental predictors of pre-kindergarten language and emergent literacy skills*. Poster presented at the Early Head Start Conference, Washington, D.C.
- Bub, K.L. (2003, April). *Building a dynamic model of behavior problems: A multiple-spell discrete-time survival analysis*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Tampa, Florida.
- Ayoub, C., Rappolt-Schlichtmann, G., Bub, K.L., Guinee, K., Willet, J. & Pan, B. (2003). *Patterns of sample attrition in a longitudinal study of the impact of Early Head Start*

Services. Poster presented at the National Early Head Start Consortium Meeting, Washington D.C.

- Bub, K.L., McCartney, K., & Marshall, N. (2001, April). *Children in self-care: A cross-sequential study of social and emotional adjustment in an elementary school sample*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Minneapolis, Minnesota.
- Bub, K.L., & McCartney, K. (1999, April). *Within family attachment relationships using the attachment q-sort*. Poster presented at the Biennial Meetings of the Society for Research in Child Development, Albuquerque, New Mexico.

Invited Symposia:

- Bub, K.L. *Developing integrated data systems at the district levels to drive PK-3 improvement*. Curriculum, Instruction and Assessment Alignment Professional Development Seminar, Massachusetts Department of Education, February 2, 2009.
- Yoshikawa, H., & Bub, K.L. *Developing integrated data systems at the school and district levels to drive pk-3 improvement*. Pre-K to 3rd Education: Promoting Early Success, Harvard Graduate School of Education, November 13–15, 2008.
- Bub, K.L. *Predicting achievement from developmental change in social and behavioral skills*. New York University Steinhardt School of Culture, Education, and Human Development, April 10, 2008.

Grants

Completed:

- Spencer Dissertation Fellowship (2007-2008); \$25,000
- Dean's Summer Fellowship (2006; 2005); \$3,000 per summer
- Spencer Research Training Grant (2004-2007); \$10,500 annually

Current:

- Bub, K.L. (2009-2010). *Classroom supports for social and academic skills: testing the effects of continuous learning experiences between kindergarten and third grade*. Foundation for Child Development Small Grants Program (\$39,347).
- Bub, K.L. (2009-2011). *Healthy habits for healthy development: A study of family and home factors that predict physical health outcomes among young children in Alabama*. Alabama Agricultural Experiment Station, U.S. Department of Agriculture (\$49,297).
- Bub, K.L. (2009-2014). *Risk and protective factors for socio-emotional, health, and achievement outcomes among ecologically vulnerable preschool children in rural Alabama*. Alabama Agricultural Experiment Station, U.S. Department of Agriculture (\$7,500).
- Erath, S. A., El-Sheikh, M., & Bub, K. L. (2009-2012). *Peer stress in preadolescence: Psychophysiological and coping responses*. National Science Foundation. (\$376,104).

Pending:

- Bub, K.L., & El-Sheikh, M. (resubmitted July 2009). *Predictors and consequences of children's social competence across early and middle childhood*. National Institutes of Health (\$146,000); 2009-2011.
- Bub, K.L., Abell, E., & Buckhalt, J. (under review). *An integrated prevention program to improve social emotional skills and promote school success*. U.S. Department of Education, Institute for Educational Sciences (\$1,449,040). 2010-2013.