ANNUAL RESEARCH DEPARTMENT SUMMARY REPORT

**2011-2012**

#### By Christy Brunton, Outside Research Coordinator

*Two of the main purposes of the National Organization of Mothers of Twins Club, Inc. (NOMOTC) are* ***research*** *and* ***education****. The twelve members of the Research Department have worked diligently this year to further these goals.*

*The Research Department of NOMOTC cooperates with outside researchers such as physicians, psychologists, other professionals and, occasionally, parents of multiples to connect them with participants (multiples, siblings of multiples and parents of multiples) for their studies. Studies using multiples as subjects help to shed light on many child development and medical issues. Twins and higher-order multiples aid researchers in helping to distinguish between* ***heredity*** *and* ***environment*** *as causes of certain problems or medical conditions.*

*Our cooperative efforts also help us serve our second purpose, that of educating parents, teachers, multiples and others having responsibility for, and interest in, multiples. We make this research data available to our membership through publication in* ***NOMOTC’s Notebook,*** *during State and National Conventions, and on our website http//www.nomotc.org. In addition, detailed**Research Reports are prepared for all completed studies and distributed to our members.*

*To participate in any of the Active Research Projects, contact the researcher directly at the address listed. With your cooperation and willingness to participate in these studies, you are furthering knowledge in the fields of medicine and child development and helping to increase knowledge about multiple birth children.*

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**ACTIVE OUTSIDE RESEARCH STUDIES**

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1. **HERITABILITY OF FATTY LIVER AS MEASURED BY MRI: A CROSS SECTIONAL STUDY OF TWINS AND FAMILY MEMBERS**

**Rohit Loomba, M.D and Archana Bhatt**, 200 West Arbor Drive, MC 8413, San Diego, CA 92103-8413. Office: 619-471-3915. Fax: (619) 543-2160. E-mail: abhatt@ucsd.edu

1. **A COMPARATIVE STUDY OF DIFFERENTIATION AND INDIVIDUATION BETWEEN FRATERNAL AND IDENTICAL SAME SEX TWINS**

**Sophie Cassell,** American University, 4400 Massachusetts Ave NW, Washington DC, 20016 .Email: sophie.cassell@gmail.com

1. **CARING FOR TWINS STUDY**

**Elizabeth G. Damato, PhD, RN and Donna A. Dowling, PhD, RN**; Case Western Reserve University, Bolton School of Nursing, 10900 Euclid Avenue, Cleveland, OH 44106-4904. Phone: (216) 368-2597. Email: egd@case.edu

1. **SLEEP BEHAVIOR IN TYPICALLY AND ATYPICALLY DEVELOPING CHILDREN**

**Richard E. Frye, M.D.,** Arkansas Children's Hospital Research Institute, 13 Children's Way, Little Rock, AR, 72202. Phone: 501-364-4662 Fax: 501-978-6483 E-mail: REFrye@uams.edu

1. **NATIONAL INSTITUTE OF HEALTH TWIN STUDY**

**Jay N. Giedd, M.D.,** National Institute of Mental Health, Bldg. 10, Room 4C110, Bethesda, MD 20892-1367, (301) 435-4515; Fax: (301) 480-8898; E-mail: twinstudy@mail.nih.gov

1. **ICATS (IMAGING CALIFORNIA AUTISM TWIN STUDY)**

**Antonio Hardan, M.D.,** Stanford University, 401 Quarry Road, 1st Floor, Stanford, CA 94035-5719, (650) 723-7809; E-mail: cleve@stanford.edu

1. **INVESTIGATING FERTILITY PATIENTS’ EXPERIENCES OF INFORMED CONSENT**

**Jody Madeira**, Indiana University Maurer School of Law – Bloomington, 211 S. Indiana Avenue, Bloomington, IN 47405. Office:  (812) 856-1082. Email: jmadeira@indiana.edu

1. PATHOGENIC STUDIES IN FAMILIES WITH TWINS OR SIBLINGS DISCORDANT FOR SYSTEMIC RHEUMATIC DISORDERS

Frederick W. Miller, M.D., Ph.D., Office of Clinical Research, National Institute of Environmental Health Sciences, NIH, 900 Rockville Pike, NIH Bldg. 10, Room 4-2352 MSC 1301, Bethesda, MD 20892-0958; (301) 451-6273; Fax: (301) 451-5585; E-mail: millerf@mail.nih.gov

1. **MULTIMODAL AND MIRROR NEURONAL FUNCTION IN VERBAL AND MUSICAL COGNITION**

**David Rosenfield M.D.,** Weill Medical College of Cornell University, Neurological Institute/The Methodist Hospital, 6560 Fannin, Suite 802, Houston, TX 77030; Phone: (713) 441-5070; drosenfield@tmhs.org

1. **CLINICAL & IMMUNOLOGICAL EVAULATION OF EOSINOPHILIC ESOPHAGITIS**

**Marc Rothenberg, M.D.,** Cincinnati Children’s Hospital Medical Center, 3333 Burnet Ave., Cincinnati, OH 45229-3039; (513) 636-5540; Fax: (513) 636-9069; E-mail: bridget.buckmeier@cchmc.org

1. **HERITABILITY OF EYE DISEASE IN CHILDREN AND YOUNG ADULTS**

**Johanna Seddon, M.D.,** Tufts Medical Center, New England Eye Center, 800 Washington St. , Box 450, Boston, MA 02111; (617)-636-9000. E-mail: aharding@tuftsmedicalcenter.org

1. **THE LOSS OF A TWIN IN CHILDHOOD & ADOLESCENCE: BEHAVIORAL SIGNIFICANCE AND A PROGRAM FOR INTERVENTION**

**Nancy L. Segal, Ph.D.,** California State University, Fullerton, Psychology Department, H830M, 800 N. State College Blvd., Fullerton, CA 92834; (714) 278-2568 (Twin Studies Center); Fax: (714) 278-4843; E-mail: nsegal@fullerton.edu

1. **ADULT TWINS WHO ARE PARENTS STUDY**

**Nancy L. Segal, Ph.D.,** California State University, Fullerton, Psychology Department, H830M, 800 N. State College Blvd., Fullerton, CA 92834; (714) 278-2142; Fax: (714) 278-4843; E-mail: nsegal@fullerton.edu

1. **CHINESE TWINS SEPARATED AT BIRTH**

**Nancy L. Segal, Ph.D.,** California State University, Fullerton, Psychology Department, H830M, 800 N. State College Blvd., Fullerton, CA 92834, (714) 278-2142; E-mail: nsegal@fullerton.edu

1. **STUDY OF TWINS WITH SPECIAL NEEDS**

**Nancy L. Segal, Ph.D.,** California State University, Fullerton, Psychology Department, H830M, 800 N. State College Blvd., Fullerton, CA 92834, (714) 278-2142; E-mail: nsegal@fullerton.edu

1. **MID-ATLANTIC TWIN REGISTRY**

**Judy Silberg, Ph.D.,** The Mid-Atlantic Twin Registry, Virginia Commonwealth University, P.O. Box 980003, Richmond, VA 23298-0003; 1-800-URA-TWIN; Fax: (804) 828-8801; E-mail: matr@vcu.edu

1. **ESTABLISHING THE METHODOLOGY FOR, AND FEASIBILITY OF MEASURING PA AND NUTRITION USING INNOVATIVE AND STANDARD MEASURES IN CHILDREN WITH CEREBRAL PALSY: TWIN STUDY**

**Deborah E. Thorpe, PT, PhD, PCS.** The University of North Carolina at Chapel Hill, School of Medicine, Division of Physical Therapy, 3006 Bondurant Hall, Chapel Hill, NC 27599- 7135. Telephone: 919-843-8679. Fax: 919-966-3678. E-mail: dthorpe@med.unc.edu