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**Towards an integration of evolutionary psychology and developmental science : new insights from evolutionary developmental biology**

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## REFERENCES

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- AKABALIEV, V.H., & SIVKOV, S.T. (2007). Internal consistency of Waldrop Physical Anomaly Scale in schizophrenic patients. *Psychiatry Research*, 150, 81-88.
- ALDANA, M. (2003). Boolean dynamics of networks with scale-free topology. *Physica D*, 185, 45-66.
- ALEXANDER, R.C., MUKHERJEE, S., RICHTER, J., & KAUFMANN, C.A. (1994). Minor physical anomalies in schizophrenia. *Journal of Nervous and Mental Disease*, 182, 639-644.
- ALLEN, C.E., BELDADE, P., ZWAAN, B.J., & BRAKEFIELD, P.M. (2008). Differences in the selection response of serially repeated color pattern characters: Standing variation, development, and evolution. *BMC Evolutionary Biology*, 8, 94.
- AMERICAN PSYCHIATRIC ASSOCIATION. (1994). *Diagnostic and statistical manual of mental disorders* (4<sup>th</sup> ed.). Washington, DC: Author.
- AMUNDSON, R. (1994). Two concepts of constraint – Adaptationism and the challenge from developmental biology. *Philosophy of Science*, 61, 556-578.
- AMUNDSON, R. (2005). *The changing role of the embryo in evolutionary thought: Roots of evo-devo*. New York: Cambridge University Press.
- ANCEL, L.W., & FONTANA, W. (2000). Plasticity, evolvability, and modularity in RNA. *Journal of Experimental Zoology (Mol Dev Evol)*, 288, 242-283.
- ARCHER, G.S., DINDOT, S., FRIEND, T.H., WALKER, S., ZAUNBRECHER, G., LAWHORN, B., & PIEDRAHITA, J.A. (2003). Hierarchical phenotypic and epigenetic variation in cloned swines. *Biology of Reproduction*, 69, 430-436.
- ARINAMI, T. (2006). Analyses of the associations between the genes of 22q11 deletion syndrome and schizophrenia. *Journal of Human Genetics*, 51, 1037-1045.

- ARNDT, T.L., STODGELL, C.J., & RODIER, P.M. (2005). The teratology of autism. *International Journal of Developmental Neuroscience*, 23, 189-199.
- AYDIN, M., KABAKUS, N., BALCI, T.A., & AYAR, A. (2007). Correlative study of the cognitive impairment, regional cerebral blood flow, and electroencephalogram abnormalities in children with Down's syndrome. *International Journal of Neuroscience*, 117, 327-336.
- BABOVIC-VUKSANOVIC, D., JENKINS, S.C., ENSENAUER, R., NEWMAN, D.C., & JALAL, S.M. (2004). Subtelomeric deletion of 18p in an adult with paranoid schizophrenia and mental retardation. *American Journal of Medical Genetics*, 124A, 318-322.
- BADYAEV, A.V. (2007). Evolvability and robustness in color displays: Bridging the gap between theory and data. *Evolutionary Biology*, 34, 61-71.
- BAILEY, A., LEROUTEUR, A., GOTTESMAN, I., BOLTON, P., SIMONOFF, E., YUZDA, E., & RUTTER, M. (1995). Autism as a strongly genetic disorder: evidence from a British twin study. *Psychological Medicine*, 25, 63-77.
- BAILEY, A., PHILLIPS, W., & RUTTER, M. (1996). Autism: towards an integration of clinical, genetic, neuropsychological, and neurobiological perspectives. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 37, 89-126.
- BAND, G.P.H., VAN DER MOLEN, M.W., OVERTOOM, C.C.E., & VERBANTEN, M.N. (2000). The ability to activate and inhibit speeded responses: Separate developmental trends. *Journal of Experimental Child Psychology*, 75, 263-290.
- BANDIM, J.M., VENTURA, L.O., MILLER, M.T., ALMEIDA, H.C., & COSTA, A.E. (2003). Autism and Möbius sequence: An exploratory study in northeastern Brazil. *Arquivos de Neuro-Psiquiatria*, 61, 181-185.
- BARAK, Y., ACHIRON, A., MANDEL, M., MIRECKI, I., & AIZENBERG, D. (2005). Reduced cancer incidence among patients with schizophrenia. *Cancer*, 104, 2817-2821.
- BARKER, D.J.P. (ED.) (1992). *Fetal and infant origins of adult diseases*. London: BMJ Books.
- BARKER, D.J.P. (1995). Fetal origins of coronary heart-disease. *British Medical Journal*, 311, 171-174.

- BARKER, D.J.P. (2007). The origins of the developmental origins theory. *Journal of Internal Medicine*, 261, 412-417.
- BARKER, D.J.P., GLUCKMAN, P.D., GODFREY, K.M., HARDING, J.E., OWEN, J.A., & ROBINSON, J.S. (1993). Fetal nutrition and cardiovascular disease in adult life. *Lancet*, 341, 938-941.
- BARKOW, J.H., COSMIDES, L., & TOOBY, J. (EDS.) (1992). *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press.
- BARRETT, H.C. (2008). Evolutionary psychology is a union of fields, not a subset. *Psychological Inquiry*, 19, 19-22.
- BARRETT, H.C., & KURZBAN, R. (2006). Modularity in cognition: Framing the debate. *Psychological Review*, 113, 628-647.
- BASSETT, A.S., CHOW, E.W.C., HUSTED, J., WEKSBERG, R., CALUSERIU, O., WEBB, G.D., & GATZOULIS, M.A. (2005). Clinical features of 78 adults with 22q11 deletion syndrome. *American Journal of Medical Genetics*, 138A, 307-313.
- BELDADE, P., KOOPS, K., & BRAKEFIELD, P.M. (2002). Developmental constraints versus flexibility in morphological evolution. *Nature*, 416, 844-847.
- BELL, G. (1982). *The masterpiece of nature: The evolution and genetics of sexuality*. London: CroomHelm.
- BERNABEI, P., CERQUIGLINI, A., CORTESE, F., & D'ARDIA, C. (2007). Regression versus no regression in the autistic disorder: Developmental trajectories. *Journal of Autism and Developmental Disorders*, 37, 580-588.
- BERRY, N., JOBANPUTRA, V., & PAL, H. (2003). Molecular genetics of schizophrenia: a critical review. *Journal of Psychiatry & Neuroscience*, 28, 415-429.
- BERSANI, G., MANUALI, G., RAMIERI, L., TADDEI, I., BERSANI, I., CONFORTI, F., CATTARUZZA, M.S., OSBORN, J., & PANCHERI, P. (2007). The potential role of high or low birthweight as risk factor for adult schizophrenia. *Journal of Perinatal Medicine*, 35, 159-161.

- BESSON, P., EBMEIER, K., & SIMPSON, S. (1991). The clinical manifestations of mental disorders in Huntington's disease: A retrospective case record study of disease progression. *Acta Psychiatrica Scandinavica*, 83, 53-60.
- BHATIA, M.S. (1999). Polydactyly and functional psychosis. *British Journal of Psychiatry*, 175, 291-292.
- BIESECKER, L.G. (2002). Polydactyly: How many disorders and how many genes? *American Journal of Medical Genetics*, 112, 279-283.
- BIJELJAC-BABIC, R., BERTONCINI, J., & MEHLER, J. (1993). How do 4-day-old infants categorize multisyllabic utterances? *Developmental Psychology*, 29, 711-721.
- BJORKLUND, D.F. (2003). Evolutionary psychology from a developmental systems perspective: Comment on Lickliter and Honeycutt (2003). *Psychological Bulletin*, 129, 836-841.
- BJORKLUND, D.F., & KIPP, K. (2002). Social cognition, inhibition, and theory of mind: The evolution of human intelligence. In R.J. Sternberg & J.C. Kaufman (Eds.), *The evolution of intelligence* (pp. 27-54). Mahwah, NJ: Erlbaum.
- BJORKLUND, D.F., & PELLEGRINI, A.D. (2000). Child development and evolutionary psychology. *Child Development*, 71, 1687-1708.
- BJORKLUND, D.F., & PELLEGRINI, A.D. (2002). *The origins of human nature: Evolutionary developmental psychology*. Washington, DC: American Psychological Association.
- BJORKLUND, D.F., ELLIS, B.J., & ROSENBERG, J.S. (2007). Evolved probabilistic cognitive mechanisms: An evolutionary approach to gene x environment x development interactions. *Advances in Child Development and Behavior*, 35, 1-36.
- BLOOM, F. (1993). Advancing the neurodevelopmental origin for schizophrenia. *Archives of General Psychiatry*, 50, 224-227.
- BOKSA, P. (2004). Animal models of obstetric complications in relation to schizophrenia. *Brain Research Reviews*, 45, 1-17.
- BONNETT, B.N., EGENVALL, A., OLSON, P. & HEDHAMMAR, A. (1997). Mortality in insured Swedish dogs: rates and causes of death in various breeds. *The Veterinary Record*, 141, 40-44.

- BOTTO, L., MOORE, C.A., KHOURY, M.J., & ERICKSON, J.D. (1999). Neural-tube defects. *Medical Progress*, 341, 1509-1519.
- BROWN, A.S. (2006). Prenatal infection as a risk factor for schizophrenia. *Schizophrenia Bulletin*, 32, 200-202.
- BROWN, A.S., BEGG, M.D., GRAVENSTEIN, S., SCHAEFER, C.A., WYATT, R.J., BRESNAHAN, M., BABULAS, V.P., & SUSSER, E.S. (2004a). Serologic evidence of prenatal influenza in the etiology of schizophrenia. *Archives of General Psychiatry*, 61, 774-780.
- BROWN, A.S., COHEN, P., HARKAVY-FRIEDMAN, J., BABULAS, V., MALASPINA, D., GORMAN, J.M., & SUSSER, E.S. (2001). Prenatal rubella, premorbid abnormalities, and adult schizophrenia. *Biological Psychiatry*, 49, 473-486.
- BROWN, A.S., HOOTON, J., SCHAEFER, C.A., ZHANG, H., PETKOVA, E., BABULAS, V., PERRIN, M., GORMAN, J.M., & SUSSER, E.S. (2004b). Elevated maternal interleukin-8 levels and risk of schizophrenia in adult offspring. *American Journal of Psychiatry*, 161, 889-895.
- BROWN, A.S., SCHAEFER, C.A., QUESENBERRY, C.P., LIU, L.Y., BABULAS, V.P., & SUSSER E.S. (2005). Maternal exposure to toxoplasmosis and risk of schizophrenia in adult offspring. *American Journal of Psychiatry*, 162, 767-773.
- BROWN, A.S., SCHAEFER, C.A., QUESENBERRY, C.P., SHEN, L., & SUSSER E.S. (2006). No evidence of relation between maternal exposure to herpes simplex virus type 2 and risk of schizophrenia? *American Journal of Psychiatry*, 163, 2178-2180.
- BROWN, A.S., & SUSSER, E.S. (2002). In utero infection and adult schizophrenia. *Mental Retardation and Developmental Disabilities Research Reviews*, 8, 51-57.
- BROWN, S. (1997). Excess mortality of schizophrenia - A meta-analysis. *British Journal of Psychiatry*, 171, 502-508.
- BROWN, S., INSKIP, H., & BARRACLOUGH, B. (2000). Causes of excess mortality of schizophrenia. *British Journal of Psychiatry*, 177, 212-217.

- BUKA, S.L., TSUANG, M.T., TORREY, E.F., KLEBANOFF, M.A., BERNSTEIN, D., & YOLKEN, R.H. (2001a). Maternal infections and subsequent psychosis among offspring. *Archives of General Psychiatry*, 58, 1032-1037.
- BUKA, S.L., TSUANG, M.T., TORREY, E.F., KLEBANOFF, M.A., WAGNER, R.L., & YOLKEN, R.H. (2001b). Maternal cytokine levels during pregnancy and adult psychosis. *Brain, Behavior, and Immunity*, 15, 411-420.
- BUSS, D.M. (1995). Evolutionary psychology: A new paradigm for psychological science. *Psychological Inquiry*, 6, 1-30.
- BUSS, D.M. (2003). *Evolutionary psychology: The new science of the mind* (2<sup>nd</sup> ed.). Boston: Allyn and Bacon.
- BUSS, D.M., & REEVE, H.K. (2003). Evolutionary psychology and developmental dynamics: Comment on Lickliter and Honeycutt (2003). *Psychological Bulletin*, 129, 848-853.
- BUSS, D.M., LARSEN, R., WESTEN, D., & SEMMELROTH, J. (1992). Sex differences in jealousy: Evolution, physiology, and psychology. *Psychological Science*, 3, 251-255.
- BUTLER, M.G., & PALMER, C.G. (1983). Parental origin of chromosome 15 deletion in Prader-Willi syndrome. *Lancet*, 1, 1285-1286.
- BUUNK, A.P., & PARK, J.H. (2008). Not massive, but messy modularity. *Psychological Inquiry*, 19, 23-27.
- CALLEBAUT, W., & RASSKIN-GUTMAN, D. (Eds.) (2005). *Modularity: Understanding the development and evolution of natural complex systems*. Cambridge, MA: MIT Press.
- CALUSERIU, O., MIRZA, G., RAGOUESSIS, J., CHOW, E.W.C., MACCRIMMON, D., & BASSETT, A.S. (2006). Schizophrenia in an adult with 6p25 deletion. *American Journal of Medical Genetics Part A*, 140A, 1208-1213.
- CAMAZINE, S., DENEUBOURG, J.L., FRANKS, N.R., SNEYD, J., THERAULAZ, G., & BONABEAU, E. (2001). *Self-organization in biological systems*. Princeton, NJ: Princeton University Press.
- CANITANO, R. (2007). Epilepsy in autism spectrum disorders. *European Child & Adolescent Psychiatry*, 16, 61-66.

- CANNON, M., JONES, P.B., & MURRAY, R.M. (2002). Obstetric complications and schizophrenia: Historical and meta-analytic review. *American Journal of Psychiatry*, 159, 1080-1092.
- CARDNO, A.G., MURPHY, K.C., JONES, L.A., COBB, A.M., GRAY, J., McGUFFIN, P., & OWEN, M.J. (1998). Polydactyly and psychosis: five cases of co-occurrence. *British Journal of Psychiatry*, 172, 184-185.
- CAREY, S. (1985). *Conceptual change in childhood*. Cambridge, MA: MIT Press.
- CARROLL, J.B. (1993). *Human cognitive abilities: A survey of factor-analytic studies*. Cambridge, UK: Cambridge University Press.
- CARROLL, S.B. (2005). *Endless forms most beautiful: The new science of evo devo*. New York: Norton.
- CASE, R. (1991). *The mind's staircase: Exploring the conceptual underpinnings of children's thought and knowledge*. Hillsdale, NJ: Erlbaum.
- CASTILLA, E.E., FONSECA, R.L., DUTRA, M.G., BERMEJO, E., CUEVAS, L., & MARTINEZ-FRIAS, M.L. (1996). Epidemiological analysis of rare polydactylies. *American Journal of Medical Genetics*, 65, 295-303.
- CASTILLA, E.E., LUGARINHO, R., DA GRAÇA DUTRA, M., & SALGADO, L.J. (1998). Associated anomalies in individuals with polydactyly. *American Journal of Medical Genetics*, 80, 459-465.
- CHAI, Y., & MAXSON, R.E. (2006). Recent advances in craniofacial morphogenesis. *Developmental Dynamics*, 235, 2353-2375.
- CHESS, S. (1971). Autism in children with congenital rubella. *Journal of Autism & Childhood Schizophrenia*, 1, 33-47.
- CHESS, S. (1977). Follow-up report on autism in congenital rubella. *Journal of Autism & Childhood Schizophrenia*, 7, 69-81.
- CHIPMAN, A.D. (2002). Variation, plasticity and modularity in anuran development. *Zoology*, 105, 97-104.
- CHOMSKY, N. (1965). *Aspects of the theory of syntax*. Cambridge, MA: MIT Press.
- CHOMSKY, N. (1975). *Reflections on language*. New York: Random House.

- CHOW, E.W.C., ZIPURSKY, R.B., MIKULIS, D.J., & BASSETT, A.S. (2002). Structural brain abnormalities in patients with schizophrenia and 22q11 deletion syndrome. *Biological Psychiatry*, 51, 208-215.
- CHRISTENSEN, K., & MORTENSEN, P.B. (2002). Facial clefting and psychiatric diseases: A follow-up of the Danish 1936-1987 facial cleft cohort. *Cleft Palate-Craniofacial Journal*, 39, 392-396.
- CLARKE, D. (1998). Prader-Willi syndrome and psychotic symptoms: 2. A preliminary study of prevalence using the Psychopathology Assessment Schedule for Adults with Developmental Disability checklist. *Journal of Intellectual Disability Research*, 42, 451-454.
- CLARKE, M.C., HARLEY, M., & CANNON, M. (2006). The role of obstetric events in schizophrenia. *Schizophrenia Bulletin*, 32, 3-8.
- CLIFFORD, S., DISSANAYAKE, C., BUI, Q.M., HUGGINS, R., TAYLOR, A.K., & LOESCH, D.Z. (2007). Autism spectrum phenotype in males and females with fragile X full maturation and premutation. *Journal of Autism and Developmental Disorders*, 37, 738-747.
- COHLY, H.H.P., & PANJA, A. (2005). Immunological findings in autism. *International Review of Neurobiology*, 71, 317-341.
- COMPTON, M.T., DAUMIT, G.L., & DRUSS, B.G. (2006). Cigarette smoking and overweight/obesity among individuals with serious mental illnesses: A preventive perspective. *Harvard Review of Psychiatry*, 14, 212-222.
- CORDERO, D., MARCUCIO, R., HU, D., GAFFIELD, W., TAPADIA, M., & HELMS, J.A. (2004). Temporal perturbations in sonic hedgehog signaling elicit the spectrum of holoprosencephaly phenotypes. *Journal of Clinical Investigation*, 114, 485-494.
- COSMIDES, L., & TOOBY, J. (1992). Cognitive adaptations for social exchange. In J.H. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture* (pp. 163-228). New York: Oxford University Press.

- COSMIDES, L., & TOOBY, J. (1994). Origins of domain specificity: The evolution of functional organization. In L.A. Hirschfeld & S.A. Gelman (Eds.), *Mapping the mind: Domain specificity in cognition and culture* (pp. 85-116). Cambridge, UK: Cambridge University Press.
- COSMIDES, L., & TOOBY, J. (2005). Neurocognitive adaptations designed for social exchange. In D.M. Buss (Ed.), *The handbook of evolutionary psychology* (pp. 584-627). Hoboken, NJ: Wiley.
- COSMIDES, L., TOOBY, J., & BARKOW, J.H. (1992). Introduction: Evolutionary psychology and conceptual integration. In J.H. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture* (pp. 3-15). New York: Oxford University Press.
- COTTRELL, G.W., MUNRO, P., & ZIPSER, D. (1988). Image compression by backpropagation: An example of extensional programming. In N.E. Sharkey (Ed.), *Advances in cognitive science* (Vol. 3, pp. 208-240). Norwood, NJ: Ablex.
- COVENEY, P.V., & FOWLER, P.W. (2005). Modelling biological complexity: a physical scientist's perspective. *Journal of the Royal Society Interface*, 2, 267-280.
- CRICK, F. (1970). Central dogma of molecular biology. *Nature*, 227, 561-563.
- CRINO, P.B., NATHANSON, K.L., & HENSKE, E.P. (2006). The tuberous sclerosis complex. *The New England Journal of Medicine*, 355, 1345-1356.
- DALTON, S.O., MELLEMKAER, L., THOMASSEN, L., MORTENSEN, P.B., & JOHANSEN, C. (2005). Risk for cancer in a cohort of patients hospitalized for schizophrenia in Denmark, 1969-1993. *Schizophrenia Research*, 75, 315-324.
- DANTHIIR, V., WILHELM, O., SCHULZE, R., & ROBERTS, R.D. (2005). Factor structure and validity of paper-and-pencil measures of mental speed: Evidence for a higher-order model? *Intelligence*, 33, 491-514.
- DARWIN, C. (1859). *On the origin of species by means of natural selection, or the preservation of favoured races in the struggle for life*. London: Murray.

- DAWKINS, R. (1986). *The blind watchmaker*. Essex, UK: Longman.
- DE GIACOMO, A., & FOMBONNE, E. (1998). Parental recognition of developmental abnormalities in autism. *European Child & Adolescent Psychiatry*, 7, 131-136.
- DE KROON, H., HUBER, H., STUEFER, J.F., & VAN GROENENDAEL, J.M. (2005). A modular concept of phenotypic plasticity in plants. *New Phytologist*, 166, 73-82.
- DENNETT, D.C. (1995). *Darwin's dangerous idea: Evolution and the meaning of life*. New York: Simon & Schuster.
- DESESSO, J.M., & HARRIS, S.B. (1996). Principles underlying developmental toxicity. In A.M. Fan & L.W. Chang (Eds.), *Toxicology and risk assessment: Principles, methods, and applications* (pp. 37-56). New York: Marcel Dekker.
- DESMOND, M.M., WILSON, G.S., MELNICK, J.L., SINGER, D.B., ZION, T.E., RUDOLPH, A.J., PINEDA, R.G., ZIAI, M-H., & BLATTNER, R.J. (1970). Congenital rubella encephalitis: Course and early sequelae. *Journal of Pediatrics*, 71, 311-331.
- DICKERSON, F., KIRKPATRICK, B., BORONOW, J., STALLINGS, C., ORIGONI, A., & YOLKEN, R. (2006). Deficit schizophrenia: Association with serum antibodies to cytomegalovirus. *Schizophrenia Bulletin*, 32, 396-400.
- IEWERT, V.M., & LOZANOFF, S. (1993a). A morphometric analysis of human embryonic craniofacial growth in the median plane during primary palate formation. *Journal of Craniofacial Genetics and Developmental Biology*, 13, 147-161.
- IEWERT, V.M., & LOZANOFF, S. (1993b). Growth and morphogenesis of the human embryonic midface during primary palate formation analyzed in frontal sections. *Journal of Craniofacial Genetics and Developmental Biology*, 13, 162-183.
- IEWERT, V.M., LOZANOFF, S., & CHOY, V. (1993). Computer reconstructions of human embryonic craniofacial morphology showing changes in relations between the face and brain during primary palate formation. *Journal of Craniofacial Genetics and Developmental Biology*, 13, 193-201.

- DONOVAN-LEPORE, A.-M., JAGER, J., CZOBOR, P., ABDELMESSIH, S., & BERNIS, S.M. (2006). Quantitative craniofacial anomalies in a racially mixed schizophrenia sample. *Biological Psychiatry*, 59, 349-353.
- DROMI, E. (1987). *Early lexical development*. Cambridge, UK: Cambridge University Press.
- DUGGIRALA, C., COOPER, S.-A., & COLLACOTT, R.A. (1995). Schizophrenia and Down's syndrome. *Irish Journal of Psychological Medicine*, 12, 30-33.
- DUNTLEY, J.D., & BUSS, D.M. (2008). Evolutionary psychology is a metatheory for psychology. *Psychological Inquiry*, 19, 30-34.
- EBERT, T., & KOTLER, M. (2005). Prenatal exposure to influenza and the risk of subsequent development of schizophrenia. *Israel Medical Association Journal*, 7, 35-38.
- ELIZARRARÁS-RIVAS, J., FRAGOSO-HERRERA, R., CERDÁN-SÁNCHEZ, L.F., RAMOS-ZEPEDA, R., BARAJAS-BARAJAS, L.O., & TROYO-SANROMÁN, R. (2003). Minor physical anomalies and anthropometric measures in schizophrenia: a pilot study from Mexico. *Schizophrenia Research*, 62, 285-287.
- FARKAS, L.G. (1994). *Anthropometry of the head and face* (2<sup>nd</sup> ed.). New York: Raven Press.
- FARRONI, T., MANSFIELD, E.M., LAI, C., & JOHNSON, M.H. (2003). Infants perceiving and acting on the eyes: Tests of an evolutionary hypothesis. *Journal of Experimental Child Psychology*, 85, 199-212.
- FATEMI, S.H., PEARCE, D.A., BROOKS, A.I., & SIDWELL, R.W. (2005). Prenatal viral infection in mouse causes differential expression of genes in brains of mouse progeny: A potential animal model for schizophrenia and autism. *Synapse*, 57, 91-99.
- FEDER, J.L., ROETHELE, J.B., WLAZLO, B., & BERLOCHER, S.H. (1997). Selective maintenance of allozyme differences among sympatric host races of the apple maggot fly. *Proceedings of the National Academy of Sciences of the United States of America*, 94, 11417-11421.
- FELDMAN, D.H. (2004). Piaget's stages: the unfinished symphony of cognitive development. *New Ideas in Psychology*, 22, 175-231.

- FERNALD, A. (1992). Human maternal vocalizations to infants as biologically relevant signals: An evolutionary perspective. In J.H. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture* (pp. 391-428). New York: Oxford University Press.
- FISHER, R.A. (1930). *The genetical theory of natural selection*. Oxford: Oxford University Press.
- FLAVELL, J.H. (1982). On cognitive development. *Child Development*, 53, 1-10.
- FODOR, J. (2000). *The mind doesn't work that way*. Cambridge, MA: MIT Press.
- FREEDMAN, R., LEONARD, S., OLINCY, A., KAUFMANN, C.A., MALASPINA, D., CLONINGER, C.R., SVRAKIC, D., FARAOONE, S.V., & TSUANG, M.T. (2001). Evidence for the multigenic inheritance of schizophrenia. *American Journal of Medical Genetics*, 105, 794-800.
- FREEMAN, S.B., TAFT, L.F., DOOLEY, K.J., ALLRAN, K., SHERMAN, S.L., HASSOLD, T.J., KHOURY, M.J., & SAKER, D.M. (1998). Population-based study of congenital heart defects in Down syndrome. *American Journal of Medical Genetics*, 80, 213-217.
- FREITAG, C.M. (2007). The genetics of autistic disorders and its clinical relevance: a review of the literature. *Molecular Psychiatry*, 12, 2-22.
- FRICKE, G.R., MATTERN, H.J., & SCHWEIKERT, H.U. (1981). Mitral valve prolapse in Klinefelter syndrome. *Lancet*, 2, 1414.
- GAERTNER, K. (1990). A third component causing random variability beside environment and genotype: A reason for the limited success of a 30 year long effort to standardize laboratory animals? *Laboratory Animals*, 24, 71-77.
- GALIS, F. & METZ, J.A.J. (2001). Testing the vulnerability of the phylotypic stage: On modularity and evolutionary conservation. *Journal of Experimental Zoology (Mol Dev Evol)*, 291, 195-204.
- GALIS, F., VAN ALPHEN, J.J.M., & METZ, J.A.J. (2001). Why five fingers? Evolutionary constraints on digit number. *Trends in Ecology & Evolution*, 16, 637-646.

- GALIS, F., VAN DOOREN, T.J.M., FEUTH, J.D., METZ, J.A.J., WITKAM, A., RUINARD, S., STEIGENGA, M.J., & WIJNAENDTS, L.C.D. (2006). Extreme selection in humans against homeotic transformations of cervical vertebrae. *Evolution*, 60, 2643-2654.
- GALLI-CARMINATI, G., CHAUVET, I., & DERIAZ, N. (2006). Prevalence of gastrointestinal disorders in adult clients with pervasive developmental disorders. *Journal of Intellectual Disability Research*, 50, 711-718.
- GAZZANIGA, M.S., IVRY, R.B., & MANGUN, G.R. (2002). *Cognitive neuroscience: The biology of the mind* (2<sup>nd</sup> ed.). New York: Norton.
- GEARY, D.C. (2005). *The origin of mind: Evolution of brain, cognition, and general intelligence*. Washington, DC: American Psychological Association.
- GEDDES, J.R., & LAWRIE, S.M. (1995). Obstetric complications and schizophrenia: a meta-analysis. *British Journal of Psychiatry*, 167, 786-793.
- GELMAN, R., & WILLIAMS, E.M. (1998). Enabling constraints for cognitive development and learning: Domain specificity and epigenesis. In W. Damon (Gen. Ed.) & D. Kuhn & R.S. Siegler (Eds.), *Handbook of child psychology: Vol. 2, Cognition, perception, and language* (5<sup>th</sup> ed., pp. 575-630). New York: Wiley.
- GERHART, J., & KIRSCHNER, M. (1997). *Cells, embryos, and evolution: Toward a cellular and developmental understanding of phenotypic variation and evolutionary adaptability*. Malden, MA: Blackwell Science.
- GERNSBACHER, M.A., DAWSON, M., & MOTTRON, L. (2006). Autism: Common, heritable, but not harmful. *Behavioral and Brain Sciences*, 29, 413-414.
- GHAZIUDDIN, M. (1997). Autism in Down's syndrome: Family history correlates. *Journal of Intellectual Disability Research*, 41, 87-91.
- GHAZIUDDIN, M., AL-KHOURI , I., & GHAZIUDDIN, N. (2002). Autistic symptoms following herpes encephalitis. *European Child & Adolescent Psychiatry*, 11, 142-146.

- GIANNOTTI, F., CORTESI ,F., CERQUIGLINI, A., MIRAGLIA, D., VAGNONI, C., SEBASTIANI, T., & BERNABEI, P. (in press). An investigation of sleep characteristics, EEG abnormalities and epilepsy in developmentally regressed and non-regressed children with autism. *Journal of Autism and Developmental Disorders*.
- GILBERT, S.F. (2003). *Developmental biology* (7<sup>th</sup> ed.). Sunderland, MA: Sinauer.
- GILLBERG, C., & RASMUSSEN, P. (1994). Brief report: Four case histories and a literature review of Williams disorder and autistic behavior. *Journal of Autism and Developmental Disorders*, 24, 381-392.
- GLASSMAN, A.H. (2005). Schizophrenia, antipsychotic drugs, and cardiovascular disease. *Journal of Clinical Psychiatry*, 66 (suppl 6), 5-10.
- GLASSON, E.J., BOWER, C., PETTERSON, B., DE KLERK, N., CHANEY, G., & HALLMAYER, J.F. (2004). Perinatal factors and the development of autism: A population study. *Archives of General Psychiatry*, 61, 618-627.
- GOFF, D.C., CATHER, C., EVINS, A.E., HENDERSON, D.C., FREUDENREICH, O., COPELAND, P.M., BIERER, M., DUCKWORTH, K., & SACKS, F.M. (2005a). Medical morbidity and mortality in schizophrenia: Guidelines for psychiatrists. *Journal of Clinical Psychiatry*, 66, 183-192.
- GOFF, D.C., SULLIVAN, L.M., McEVOY, J.P., MEYER, J.M., NASRALLAH, H.A., DAUMIT, G.L., LAMBERTI, S., D'AGOSTINO, R.B., STROUP, T.S., DAVIS, S., & LIEBERMAN, J.A. (2005b). A comparison of ten-year cardiac risk estimates in schizophrenia patients from the CATIE study and matched controls. *Schizophrenia Research*, 80, 45-53.
- GOLLMANN, G. (1991). Osteological variation in *Geocrinia laevis*, *Geocrinia Victoriana*, and their hybrid populations (Amphibia, Anura, Myobatrachinae). *Zeitschrift für Zoologische Systematik und Evolutionsforschung*, 29, 289-303.
- GOTTLIEB, G. (2000). Environmental and behavioral influences on gene activity. *Current Directions in Psychological Science*, 9, 93-102.

- GOTTLIEB, G. (2002). Developmental-behavioral initiation of evolutionary change. *Psychological Review*, 109, 211-218.
- GOTTLIEB, G. (2003). Behavioral development and evolution. In B.K. Hall & W.M. Olson (Eds.), *Keywords and concepts in evolutionary developmental biology* (pp. 14-23). Cambridge, MA: Harvard University Press.
- GOULD, S.J. (1977). *Ontogeny and phylogeny*. Cambridge, MA: Belknap Press of Harvard University Press.
- GOULD, S.J. (1980). *The panda's thumb: More reflections in natural history*. New York: Norton.
- GOULD, S.J. (2002). *The structure of evolutionary theory*. Cambridge, MA: Belknap Press of Harvard University Press.
- GORIION, D., GOLDBERGER, C., BOURDEL, M-C., BAYLE, F.J., MILLET, B., OLIE, J-P., & KREBS, M-C. (2003). Neurological soft-signs and minor physical anomalies in schizophrenia: differential transmission within families. *Schizophrenia Research*, 63, 181-187.
- GRANT, P.R. (1986). *Ecology and evolution of Darwin's finches*. Princeton, NJ: Princeton University Press.
- GREEN, M.F., SATZ, P., & CHRISTENSON, C. (1994). Minor physical anomalies in schizophrenia patients, bipolar patients, and their siblings. *Schizophrenia Bulletin*, 20, 433-440.
- GREEN, M.F., SATZ, P., GAIER, D.J., GANZELL, S. & KHARABI, F. (1989). Minor physical anomalies in schizophrenia. *Schizophrenia Bulletin*, 15, 91-99.
- GRISWOLD, C.K. (2006). Pleiotropic mutation, modularity and evolvability. *Evolution & Development*, 8, 81-93.
- GRÜNEBERG, H. (1963). *The pathology of development: A study of inherited skeletal disorders in animals*. Malden, MA: Blackwell Science.
- GUPTA, A.R., & STATE, M.W. (2007). Recent advances in the genetics of autism. *Biological Psychiatry*, 61, 429-437.
- HALE, S. (1990). A global developmental trend in cognitive processing speed. *Child Development*, 61, 653-663.

- HALL, B.K. (1996). Baupläne, phylotypic stages, and constraint – Why there are so few types of animals. *Evolutionary Biology*, 29, 215–261.
- HALL, B.K. & MIYAKE, T. (2000). All for one and one for all: condensations and the initiation of skeletal development. *BioEssays*, 22, 138–147.
- HALL, B.K., & OLSON, W.M. (2003). Introduction: Evolutionary developmental mechanisms. In B.K. Hall & W.M. Olson (Eds.), *Keywords and concepts in evolutionary developmental biology* (pp. xii-xvi). Cambridge, MA: Harvard University Press.
- HALLGRÍMSSON, B (2003). Variation. In B.K. Hall & W.M. Olson (Eds.), *Keywords and concepts in evolutionary developmental biology* (pp. 368–377). Cambridge, MA: Harvard University Press.
- HAMBRICK, D.Z., KANE, M.J., & ENGLE, R.W. (2005). The role of working memory in higher-level cognition: Domain-specific versus domain-general perspectives. In R.J. Sternberg & J.E. Pretz (Eds.), *Cognition and intelligence: Identifying the mechanisms of the mind*. Cambridge, UK: Cambridge University Press.
- HANKEN, J. (1982). Appendicular skeletal morphology in minute salamanders, genus *Thorius* (Amphibia: Plethodontidae): Growth regulation, adult size determination and natural variation. *Journal of Morphology*, 174, 57–77.
- HANKEN, J. (1983). High incidence of limb skeletal variants in a peripheral population of the redbacked salamander, *Plethodon cinereus* (Amphibia: Plethodontidae), from Nova Scotia. *Canadian Journal of Zoology*, 61, 1925–1931.
- HANNON, E.E., & TREHUB, S.E. (2005). Tuning in to musical rhythms: Infants learn more readily than adults. *Proceedings of the National Academy of Sciences of the United States of America*, 102, 12639–12643.
- HANSEN, T.F. (2003). Is modularity necessary for evolvability? Remarks on the relationship between pleiotropy and evolvability. *BioSystems*, 69, 83–94.

- HANSEN, T.F., ARMBRUSTER, W.S., CARLSON, M.L., & PÉLABON, C. (2003). Evolvability and genetic constraint in Dalechampia blossoms: Genetic correlations and conditional evolvability. *Journal of Experimental Zoology (Mol Dev Evol)*, 296B, 23-39.
- HARDAN, A.Y., KESHAVAN, M.S., SREEDHAR, S., VEMULAPALLI, M., & MINSHEW, N.J. (2006). An MRI study of minor physical anomalies in autism. *Journal of Autism and Developmental Disorders*, 36, 607-611.
- HARRIS, E.C., & BARRACLOUGH, B. (1998). Excess mortality of mental disorders. *British Journal of Psychiatry*, 173, 11-53.
- HARRISON, P.J. (1999). The neuropathology of schizophrenia: A critical review of the data and their interpretation. *Brain*, 122, 593-624.
- HAWLEY, P.H. (2003). Strategies of control, aggression, and morality in preschoolers: An evolutionary perspective. *Journal of Experimental Child Psychology*, 85, 213-235.
- HEATON, P., & WALLACE, G.L. (2004). Annotation: The savant syndrome. *Journal of Child Psychology and Psychiatry*, 45, 899-911.
- HEAVEY, L., PRING, L., & HERMELIN, B. (1999). A date to remember: The nature of memory in savant calendrical calculators. *Psychological Medicine*, 29, 145-160.
- HENNEKENS, C.H., HENNEKENS, A.R., HOLLAR, D., & CASEY, D.E. (2005). Schizophrenia and increased risk of cardiovascular disease. *American Heart Journal*, 150, 1115-1121.
- HENNESSY, R.J., BALDWIN, P.A., BROWNE, D.J., KINSELLA, A., & WADDINGTON, J.L. (2007). Three-dimensional laser surface imaging and geometric morphometrics resolve frontonasal dysmorphology in schizophrenia. *Biological Psychiatry*, 61, 1187-1194.
- HENNESSY, R.J., LANE, A., KINSELLA, A., LARKIN, C., O'CALLAGHAN, E., & WADDINGTON, J.L. (2004). 3D morphometrics of craniofacial dysmorphology reveals sex-specific asymmetries in schizophrenia. *Schizophrenia Research*, 67, 261-268.

- HERMAN, D.B., BROWN, A.S., OPLER, M.G., DESAI, M., MALASPINA, D., BRESNAHAN, M., SCHAEFER, C.A., & SUSSER, E.S. (2006). Does unwantedness of pregnancy predict schizophrenia in the offspring? Findings from a prospective birth cohort study. *Social Psychiatry and Psychiatric Epidemiology*, 41, 605-610.
- HERMANUSSEN, M., & BURMEISTER, J. (1993). Children do not grow continuously but in spurts. *American Journal of Human Biology*, 5, 615-622.
- HOLBROOK, K.A., & ODLAND, G.F. (1975). The fine structure of developing human epidermis: Light, scanning, and transmission electron microscopy of the periderm. *Journal of Investigative Dermatology*, 65, 16-38.
- HOLM, V.A., CASSIDY, S.B., BUTLER, M.G., HANCHETT, J.M., GREENSWAG, L.R., WHITMAN, B.Y., & GREENBERG, F. (1993). Prader-Willi syndrome - Consensus diagnostic-criteria. *Pediatrics*, 91, 398-402.
- HOSENFELD, B., VAN DER MAAS, H.L.J., & VAN DEN BOOM, D.C. (1997). Indicators of discontinuous change in the development of analogical reasoning. *Journal of Experimental Child Psychology*, 64, 367-395.
- HUGHES, J. (1986). Prevalence of smoking among psychiatric outpatients. *American Journal of Psychiatry*, 143, 993-997.
- HUTTUNEN, M., & NISKANEN, P. (1978). Prenatal loss of father and psychiatric disorders. *Archives of General Psychiatry*, 35, 429-431.
- HUXLEY, J. (1942). *Evolution: The modern synthesis*. London: Allen and Unwin.
- ISMAIL, B., CANTOR-GRAAE, E., & MCNEIL, T. (1998). Minor physical anomalies in schizophrenic patients and their siblings. *American Journal of Psychiatry*, 155, 1695-1702.
- JANSEN, B.R.J., & VAN DER MAAS, H.L.J. (2001). Evidence for the phase transition from Rule I to Rule II on the balance scale task. *Developmental Review*, 21, 450-494.
- JENSEN, A.R. (1998). *The g factor*. Westport, CT: Praeger.
- JEONG, J., MAO, J., TENZEN, T., KOTTMANN, A.H., & McMAHON, A.P. (2004). Hedgehog signaling in the neural crest cells regulates the patterning and growth of facial primordia. *Genes & Development*, 18, 937-951.

- JICK, S.S., & TERRIS, B.Z. (1997). Anticonvulsants and congenital malformations. *Pharmacotherapy*, 17, 561-564.
- JOHNSON, W., BOUCHARD JR., T.J., KREUGER, R.F., MCGUE, M., & GOTTESMAN, I.I. (2004). Just one *g*: consistent results from three test batteries. *Intelligence*, 32, 95-107.
- KAIL, R. (1986). Sources of age differences in speed of processing. *Child Development*, 57, 969-987.
- KAIL, R. (1991). Developmental change in speed of processing during childhood and adolescence. *Psychological Bulletin*, 109, 490-501.
- KANE, M.J., HAMBRICK, D.Z., TUHOLSKI, S.W., WILHELM, O., PAYNE, T.W., & ENGLE, R.W. (2004). The generality of working memory capacity: A latent-variable approach to verbal and visuospatial memory span and reasoning. *Journal of Experimental Psychology: General*, 133, 189-217.
- KARMILOFF-SMITH, A. (1992). *Beyond modularity: A developmental perspective on cognitive science*. Cambridge, UK: Cambridge University Press.
- KARMILOFF-SMITH, A. (1998). Development itself is the key to understanding developmental disorders. *Trends in Cognitive Sciences*, 2, 389-398.
- KAUFFMAN, S.A. (1993). *The origins of order: Self-organization and selection in evolution*. New York: Oxford University Press.
- KAUFFMAN, S.A. (1995). *At home in the universe: The search for the laws of self-organization and complexity*. New York: Oxford University Press.
- KAWANISHI, C., KONO, M., ONISHI, H., ISHII, N., & ISHII, K. (1997). A case of Turner syndrome with schizophrenia: Genetic relationship between Turner syndrome and psychosis. *Psychiatry and Clinical Neurosciences*, 51, 83-85.
- KEENAN, T., & ELLIS, B.J. (2003). Children's performance on a false-belief task is impaired by activation of an evolutionary-canalized response system. *Journal of Experimental Child Psychology*, 85, 236-256.
- KEIBEL, F. (1897-1938). *Normentafeln zur Entwicklungsgeschichte der Wirbeltiere*, Heft 1-XV. Jena, Germany: Fisher.

- KEIL, F.C. (1981). Constraints on constraints: Surveying the epigenetic landscape. *Cognitive Science*, 14, 135-168.
- KEIL, F.C. (1990). Constraints on knowledge and cognitive development. *Psychological Review*, 88, 197-227.
- KELLER, M.C., & MILLER, G. (2006). Resolving the paradox of common, harmful, heritable mental disorders: Which evolutionary genetic models work best? *Behavioral and Brain Sciences*, 29, 385-452.
- KELSO, J.A.S. (1995). *Dynamic patterns: The self-organization of brain and behavior*. Cambridge, MA: MIT Press.
- KENRICK, D.T. (2001). Evolutionary psychology, cognitive science, and dynamical systems: Building an integrative paradigm. *Current Directions in Psychological Science*, 10, 13-17.
- KEYS, D.N., LEWIS, D.L., SELEGUE, J.E., PEARSON, B.J., GOODRICH, L.V., JOHNSON, R.L., GATES, J., SCOTT, M.P., & CARROLL, S.B. (1999). Recruitment of a hedgehog regulatory circuit in butterfly eyespot evolution. *Science*, 283, 532-534.
- KHASHAN, A.S., ABEL, K.M., MCNAMEE, R., PEDERSEN, M.G., WEBB, R.T., BAKER, P.N., KENNY, L.C., & MORTENSEN, P.B. (2008). Higher risk of offspring schizophrenia following antenatal maternal exposure to severe adverse life events. *Archives of General Psychiatry*, 65, 146-152.
- KIMURA, M. (1965). A stochastic model concerning the maintenance of genetic variability in quantitative characters. *Proceedings of the National Academy of Sciences of the United States of America*, 54, 731-736.
- KINNEY, D.K. (2001). Prenatal stress and risk for schizophrenia. *International Journal of Mental Health*, 29, 62-72.
- KINNEY, D.K., MILLER, A.M., CROWLEY, D.J., HUANG, E., & GERBER, E. (2008). Autism prevalence following prenatal exposure to Hurricanes and tropical storms in Louisiana. *Journal of Autism and Developmental Disorders*, 38, 481-488.
- KIRKHAM, N.Z., SLEMMER, J.A., & JOHNSON, S.P. (2002). Visual statistical learning in infancy: Evidence for a domain general learning mechanism. *Cognition*, 83, B35-B42.

- KIRKPATRICK, B., BUCHANAN, R.W., MCKENNEY, P.D., ALPHS, L.D., & CARPENTER, W.T., JR. (1989). The Schedule for the Deficit Syndrome: an instrument for research in schizophrenia. *Psychiatry Research*, 30, 119-123.
- KLAUCK, S.M. (2006). Genetics of autism spectrum disorder. *European Journal of Human Genetics*, 14, 714-720.
- KOLBJORNSEN, O., PRESS, C.M., & LANDSVERK, T. (1994). Gastropathies in the Lundehund. II. A study of mucin profiles. *Acta Pathologica, Microbiologica et Immunologica Scandinavica*, 102, 801-809.
- KOLEVZON, A., GROSS, R., & REICHENBERG, A. (2007). Prenatal and perinatal risk factors for autism: A review and integration of findings. *Archives of Pediatrics and Adolescent Medicine*, 161, 326-333.
- KONO, T., OBATA, Y., WU, Q.L., NIWA, K., ONO, Y., YAMAMOTO, Y., PARK, E.S., SEO, J.S., & OGAWA, H. (2004). Birth of parthenogenetic mice that can develop to adulthood. *Nature*, 428, 860-864.
- KONSTANTAREAS, M.M., & HOMATIDIS, S. (1999). Chromosomal abnormalities in a series of children with autistic disorder. *Journal of Autism and Developmental Disorders*, 29, 275-285.
- KREIMER, A., BORENSTEIN, E., GOPHNA, U., & RUPPIN, E. (2008). The evolution of modularity in bacterial metabolic networks. *Proceedings of the National Academy of Sciences of the United States of America*, 105, 6976-6981.
- KROUSE, J.P., & KAUFFMAN, J.M. (1982). Minor physical anomalies in exceptional children: A review and critique of research. *Journal of Abnormal Child Psychology*, 10, 247-264.
- KUMANDAS, S., AKCAKUS, M., COSKUN, A., & GUMUS, H. (2004). Joubert syndrome: review and report of seven new cases. *European Journal of Neurology*, 11, 505-510.

- LAINHART, J.E., BIGLER, E.D., BOCIAN, M., COON, H., DINH, E., DAWSON, G., DEUTSCH, C.K., DUNN, M., ESTES, A., TAGER-FLUSBERG, H., FOLSTEIN, S., HEPBURN, S., HYMAN, S., MCMAHON, W., MINSHEW, N., MUNSON, J., OSANN, K., OZONOFF, S., RODIER, P., ROGERS, S., SIGMAN, M., SPENCE, M.A., STODGELL, C.J., & VOLKMAR, F. (2006). Head circumference and height in autism: A study by the Collaborative Program of Excellence in Autism. *American Journal of Medical Genetics Part A*, 140A, 2257-2274.
- LAMBERT, T.J.R., VELAKOULIS, D., & PANTELIS, C. (2003). Medical comorbidity in schizophrenia. *Medical Journal of Australia*, 178, S67-S70.
- LAMPL, M. (1993). Evidence of saltatory growth in infancy. *American Journal of Human Biology*, 5, 641-652.
- LAMPL, M., & JOHNSON, M.L. (1993). A case study of daily growth during adolescence: a single spurt or changes in the dynamics of saltatory growth? *Annals of Human Biology*, 20, 595-603.
- LANDE, R. (1978). Evolutionary mechanisms of limb loss in tetrapods. *Evolution*, 32, 73-92.
- LANE, A., KINSELLA, A., MURPHY, P., BYRNE, M., KEENAN, J., COLGAN, K., CASSIDU, B., SHEPPARD, N., HORGAN, R., WADDINGTON, J.L., LARKIN, C., & O'CALLAGHAN, E. (1997). The anthropometric assessment of dysmorphic features in schizophrenia as an index of its developmental origins. *Psychological Medicine*, 27, 1155-1164.
- LANFRANCO, F., KAMISCHKE, A., ZITZMANN, M., & NIESCHLAG, E. (2004). Klinefelter's syndrome. *Lancet*, 364, 273-283.
- LARSEN, F.W., & MOURIDSEN, S.E. (1997). The outcome in children with childhood autism and Asperger syndrome originally diagnosed as psychotic. A 30-year follow-up study of subjects hospitalized as children. *European Child & Adolescent Psychiatry*, 6, 181-190.
- LARSEN, W.J. (2001). *Human embryology* (3<sup>rd</sup> ed.). Philadelphia: Churchill Livingstone.

- LARSSON, H.J., EATON, W.W., MADSEN, K.M., VESTERGAARD, M., OLESEN, A.V., AGERBO, E., SCHENDEL, D., THORSEN, P., & MORTENSEN, P.B. (2005). Risk factors for autism: Perinatal factors, parental psychiatric history, and socioeconomic status. *American Journal of Epidemiology*, 161, 916-925.
- LAURITSEN, M.B., MORS, O., MORTENSEN, P.B., & EWALD, H. (2002). Medical disorders among inpatients with autism in Denmark according to ICD-8: A nationwide register-based study. *Journal of Autism and Developmental Disorders*, 32, 115-119.
- LENZ, W., & KNAPP, K. (1962). Die thalidomide-embryopathie. *Deutsche Medizinische Wochenschrift*, 87, 1232-1242.
- LEPPIG, K.A., WERLER, M.M., CANN, C.I., COOK, C.A., & HOLMES, L.B. (1987). Predictive value of minor anomalies. I. Association with major malformations. *Journal of Pediatrics*, 110, 531-537.
- LEWIS, M.D. (2000). The promise of dynamic systems approaches for an integrated account of human development. *Child Development*, 71, 36-43.
- LEYFER, O.T., FOLSTEIN, S.E., BACALMAN, S., DAVIS, N.O., DINH, E., MORGAN, J., TAGER-FLUSBERG, H., & LAINHART, J.E. (2006). Comorbid psychiatric disorders in children with autism: Interview development and rates of disorders. *Journal of Autism and Developmental Disorders*, 36, 849-861.
- LI, C., JOHNSON, M.S., & GORAN, M.I. (2001). Effects of low birth weight on insulin resistance syndrome in Caucasian and African-American children. *Diabetes Care*, 24, 2035-2042.
- LI, C.H. (2003). Biological orchestration of developmental plasticity across levels: The interplay of biology and culture in shaping the mind and behavior across the life span. *Psychological Bulletin*, 129, 171-194.
- LIKELITER, R., & HONEYCUTT, H. (2003a). Developmental dynamics: Toward a biologically plausible evolutionary psychology. *Psychological Bulletin*, 129, 819-835.

- LICKLITER, R., & HONEYCUTT, H. (2003b). Developmental dynamics and contemporary evolutionary psychology: Status quo or irreconcilable views? Reply to Bjorklund (2003), Krebs (2003), Buss and Reeve (2003), Crawford (2003), and Tooby et al. (2003). *Psychological Bulletin*, 129, 866-872.
- LIEBERMAN, J.A. (1999). Is schizophrenia a progressive neurodevelopmental disorder? A clinical and neurobiological perspective. *Biological Psychiatry*, 46, 729-739.
- LIMPEROPOULOS, C., BASSAN, H., SULLIVAN, N., SOUL, N.R., ROBERTSON, R.L., MOORE, M., RINGER, S.A., VOLPE, J.J., & DU PLESSIS, A.J. (2008). Positive screening for autism in ex-preterm infants: Prevalence and risk factors. *Pediatrics*, 121, 758-765.
- LINDSAY, E.A. (2001). Chromosomal microdeletions: Dissecting del22q11 syndrome. *Nature Reviews Genetics*, 2, 858-868.
- LOHR, J.B., ALDER, M., FLYNN, K., HARRIS, J., & MCADAMS, L.A. (1997). Minor physical anomalies in older patients with late-onset schizophrenia, early-onset schizophrenia, depression, and Alzheimer's disease. *The American Journal of Geriatric Psychiatry*, 5, 318-323.
- LOHR, J.B., & FLYNN, K. (1993). Minor physical anomalies in schizophrenia and mood disorders. *Schizophrenia Bulletin*, 19, 551-556.
- LOPEZ, M.E., BAZAN, C., LORCA, I.A., & CHERVONAGURA, A. (2002). Oral and clinical characteristics of a group of patients with Turner syndrome. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, & Endodontics*, 94, 196-204.
- LOWENTHAL, R., PAULA, C.S., SCHWARTZMAN, J.S., BRUNONI, D., & MERCADANTE, M.T. (2007). Prevalence of pervasive developmental disorder in Down's syndrome. *Journal of Autism and Developmental Disorders*, 37, 1394-1395.
- LUAUTE, J.P., TURPIN, J.C., & LUCOTTE, G. (1997). Schizophrenia and Huntington's disease. Clinical and molecular biology data in French families. *Semaine des Hopitaux*, 73, 480-486.

- MANZI, B., LOIZZO, A.L., GIANA, G., & CURATOLO, P. (2008). Autism and metabolic diseases. *Journal of Child Neurology*, 23, 307-314.
- MARDEN, P.M., SMITH, D.W., & McDONALD, M.J. (1964). Congenital anomalies in the newborn infant, including minor variations. *Journal of Pediatrics*, 64, 357-371.
- MARESCHAL, D., & FRENCH, R. (2000). Mechanisms of categorization in infancy. *Infancy*, 1, 59-76.
- MARTÍNEZ-FRÍAS, M.L. (1994). Developmental field defects and associations: epidemiological evidence of their relationship. *American Journal of Medical Genetics*, 49, 45-51.
- MATALON, S., SCHECHTMAN, S., GOLDZWEIG, G., & ORNOY, A. (2002). The teratogenic effect of carbamazepine: a meta-analysis of 1255 exposures. *Reproductive Toxicology*, 16, 9-17.
- MAYNARD-SMITH, J., BURIAN, R., KAUFFMAN, S.A., ALBERCH, P., CAMPBELL, J., GOODWIN, B., LANDE, R., RAUP, D., & WOLPERT, L. (1985). Developmental constraints and evolution. *Quarterly Review of Biology*, 60, 265-287.
- MAYR, E. (1982). *The growth of biological thought*. Cambridge, MA: Harvard University Press.
- MCCLURE, R.K., & LIEBERMAN, J.A. (2003). Neurodevelopmental and neurogenerative hypotheses of schizophrenia: a review and critique. *Current Opinion in Psychiatry*, 16 (Suppl 2), S15-S28.
- MCGINNIS, W., GARBER, R.L., WIRZ, J., KURIOWA, A., & GEHRING, W.J. (1984). A homologous protein-coding sequence in drosophila homeotic genes and its conservation in other metazoans. *Cell*, 37, 403-408.
- MCGINNIS, W., LEVINE, M.S., HAFEN, E., KURIOWA, A., & GEHRING, W.J. (1984). A conserved DNA sequence in homoeotic genes of the Drosophila Antennapedia and bithorax complexes. *Nature*, 308, 428-433.
- MCGRATH, J., EL-SAADI, O., GRIM, V., CARDY, S., CHAPPLE, B., CHANT, D., LIEBERMAN, D., & MOWRY, B. (2002). Minor physical anomalies and quantitative measures of the head and face in patients with psychosis. *Archives of General Psychiatry*, 59, 458-464.

- MEARS, A.J., MIRZAYANS, F., GOULD, D.B., PEARCE, W.G., & WALTER, M.A. (1996). Autosomal dominant iridogoniodygenesis anomaly maps to 6p25. *American Journal of Human Genetics*, 59, 1321-1327.
- MEHES, K. (1985). Minor malformations in the neonate: Utility in screening infants at risk of hidden major defects. *Progress in Clinical and Biological Research*, 163, 45-49.
- MEHES, K., MESTYAN, J., KNOCH, V., & VINCELLER, M. (1973). Minor malformations in the neonate. *Helvetica Paediatrica Acta*, 28, 477-483.
- MEYER, J.M. (2002). A retrospective comparison of weight, lipid, and glucose changes between risperidone- and olanzapine-treated inpatients: Metabolic outcomes after 1 year. *Journal of Clinical Psychiatry*, 63, 425-433.
- MEYER, U., YEE, B.K., & FELDON, J. (2007). The neurodevelopmental impact of prenatal infections at different times of pregnancy: The earlier the worse? *Neuroscientist*, 13, 241-256.
- MILES, J.H., & HILLMAN, R.E. (2000). Value of a clinical morphology examination in autism. *American Journal of Medical Genetics*, 91, 245-253.
- MILLER, E., CRADOCK-WATSON, J.E., & POLLOCK, T.M. (1982). Consequences of confirmed maternal rubella at successive stages of pregnancy. *Lancet*, 320, 781-784.
- MILLER, L.K. (1999). The savant syndrome: Intellectual impairment and exceptional skill. *Psychological Bulletin*, 125, 31-46.
- MILLER, M.T., & STRÖMLAND, K. (1999). Teratogen update: Thalidomide: A review, with a focus on ocular findings and new potential uses. *Teratology*, 60, 306-321.
- MILLER, M.T., STRÖMLAND, K., VENTURA, L., JOHANSSON, M., BANDIM, J.M., & GILLBERG, C. (2005). Autism associated with conditions characterized by developmental errors in early embryogenesis: a mini review. *International Journal of Developmental Neuroscience*, 23, 201-219.
- MITCHELL, A.J., & MALONE, D. (2006). Physical health and schizophrenia. *Current Opinion in Psychiatry*, 19, 432-437.

- MOCZEK, A.P. (2008). On the origins of novelty in development and evolution. *BioEssays*, 30, 432-447.
- MOLENAAR, P.C.M., BOOMSMA, D.I., & DOLAN, C.V. (1993). A third source of developmental differences. *Behavior Genetics*, 23, 519-524.
- MOORE, S.J., TURNPENNY, P., QUINN, A., GLOVER, S., LLOYD, D.J., MONTGOMERY, T., & DEAN, J.C. (2000). A clinical study of 57 children with fetal anticonvulsant syndromes. *Journal of Medical Genetics*, 37, 489-497.
- MOORMAN, A.F.M., & CHRISTOFFELS, V.M. (2003). Cardiac chamber formation: Development, genes, and evolution. *Physiological Reviews*, 83, 1223-1267.
- MORTENSEN, P.B., & JUEL, K. (1990). Mortality and causes of death in schizophrenic patients in Denmark. *Acta Psychiatrica Scandinavica*, 81, 372-377.
- MORTENSEN, P.B., NORGAARD-PEDERSEN, B., WALTOFT, B.L., SORENSEN, T.L., HOUGAARD, D., TORREY, E.F., & YOLKEN, R.H. (2007). *Toxoplasma gondii* as a risk factor for early-onset schizophrenia: Analysis of filter paper blood samples obtained at birth. *Biological Psychiatry*, 61, 688-693.
- MOUSSEAU, T.A., & ROFF, D.A. (1987). Natural selection and the heritability of fitness components. *Heredity*, 59, 181-197.
- MUKADDES, N.M., KILINCASLAN, A., KUCUKYAZICI, G., SEVKETOGLU, T., & TUNCER, S. (2007). Autism in visually impaired individuals. *Psychiatry and Clinical Neurosciences*, 61, 39-44.
- MÜLLER, F., & O'RAHILLY, R. (1983). The first appearance of the major divisions of the human brain at stage 9. *Anatomy and Embryology*, 168, 419-432.
- MÜLLER, F., & O'RAHILLY, R. (1985). The first appearance of the neural tube and optic primordium in the human embryo at stage 10. *Anatomy and Embryology*, 172, 157-169.

MÜLLER, F., & O'RAHILLY, R. (1987). The development of the human brain, the closure of the caudal neuropore, and the beginning of secondary neurulation at stage 12. *Anatomy and Embryology*, 176, 413-430.

MÜLLER, F., & O'RAHILLY, R. (1988a). The development of the human brain from a closed neural tube at stage 13. *Anatomy and Embryology*, 177, 203-224.

MÜLLER, F., & O'RAHILLY, R. (1988b). The first appearance of the future cerebral hemispheres in the human embryo at stage 14. *Anatomy and Embryology*, 177, 495-511.

MÜLLER, F., & O'RAHILLY, R. (1988c). The development of the human brain, including the longitudinal zoning in the diencephalons at stage 15. *Anatomy and Embryology*, 179, 55-71.

MÜLLER, F., & O'RAHILLY, R. (2006). The amygdaloid complex and the medial and lateral ventricular eminences in staged human embryos. *Journal of Anatomy*, 208, 547-564.

MÜLLER, G.B., & WAGNER, G.P. (1991). Novelty in evolution: Restructuring the concept. *Annual Reviews of Ecology and Systematics*, 22, 229-256.

MÜLLER, G.B., & WAGNER, G.P. (2003). Innovation. In B.K. Hall & W.M. Olson (Eds.), *Keywords and concepts in evolutionary developmental biology* (pp. 218-227). Cambridge, MA: Harvard University Press.

MURPHY, K.C. (2002). Schizophrenia and velo-cardio-facial syndrome. *Lancet*, 359, 426-430.

MURPHY, K.C., JONES, L.A., & OWEN, M.J. (1999). High rates of schizophrenia in adults with velo-cardio-facial syndrome. *Archives of General Psychiatry*, 56, 940-945.

MYERS, B.A., & PUESCHEL, S.M. (1994). Brief report: A case of schizophrenia in a population with Down syndrome. *Journal of Autism and Developmental Disorders*, 24, 95-98.

MYHRMANN, A., RANTAKALLIO, P., ISOHANNI, M., JONES, P., & PARTANEN, U. (1996). Unwantedness of a pregnancy and schizophrenia in the child. *British Journal of Psychiatry*, 169, 637-640.

- NAARDING, P., KREMER, H.P.H., & ZITMAN, F.G. (2001). Huntington's disease: a review of the literature on prevalence and treatment of neuropsychiatric phenomena. *European Psychiatry*, 16, 439-445.
- NAGY, L.M. & WILLIAMS, T.A. (2001). Comparative limb development as a tool for understanding the evolutionary diversification of limbs in anthropods: Challenging the modularity paradigm. In G.P. Wagner (Ed.), *The character concept in evolutionary biology* (pp. 457-490). San Diego, CA: Academic Press.
- NEWPORT, E.L., HAUSER, M.D., SPAEPEN, G., & ASLIN, R.N. (2004). Learning at a distance II. Statistical learning of non-adjacent dependencies in a non-human primate. *Cognitive Psychology*, 49, 85-177.
- NEWSCHAFFER, C.J., CROEN, L.A., DANIELS, J., GIARELLI, E., GRETHER, J.K., LEVY, S.E., MANDELL, D.S., MILLER, L.A., PINTO-MARTIN, J., REAVEN, J., REYNOLDS, A.M., RICE, C.E., SCHENDEL, D., & WINDHAM, G.C. (2007). The epidemiology of autism spectrum disorders. *Annual Review of Public Health*, 28, 235-258.
- NGO-MULLER, V., & MUNEOKA, K. (2000). Influence of FGF4 on digit morphogenesis during limb development in the mouse. *Developmental Biology*, 219, 224-236.
- NICOLIS, G. (1977). *Self-organization in nonequilibrium systems*. New York: Wiley.
- NIEHUS, R., & LORD, C. (2006). Early medical history of children with autism spectrum disorders. *Journal of Developmental and Behavioral Pediatrics*, 27, 120-127.
- NIMGAONKAR, V.L., SCOTT, J.A., BRAR, J.S., GANGULI, R., & CHAKRAVARTI, A. (1993). Cooccurrence of schizophrenia and Treacher-Collins Syndrome. *American Journal of Medical Genetics*, 48, 156-158.
- NORMAN, J.E., THONG, K.J., & BAIRD D.T. (1991). Uterine contractility and induction of abortion in early pregnancy by misoprostol and mifepristone. *Lancet*, 338, 1233-1236.

NURMI, E.L., DOWD, M., TADEVOSYAN-LEYFER, O., HAINES, J., FOLSTEIN, S.E., & SUTCLIFFE, J.S. (2003). Exploratory subsetting of autism families based on savant skills improves evidence of genetic linkage to 15q11-q13. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42, 856-863.

O'RAHILLY, R. (1971). The timing and sequence of events in human cardiogenesis. *Acta Anatomica*, 79, 70-75.

O'RAHILLY, R. (1978). The timing and sequence of events in the development of the human digestive system and associated structures during the embryonic period proper. *Anatomy and Embryology*, 153, 123-136.

O'RAHILLY, R. (1983a). The timing and sequence of events in the development of the human reproductive system during the embryonic period proper. *Anatomy and Embryology*, 166, 247-261.

O'RAHILLY, R. (1983b). The timing and sequence of events in the development of the human eye and ear during the embryonic period proper. *Anatomy and Embryology*, 168, 87-99.

O'RAHILLY, R., & BOYDEN, E.A. (1973). The timing and sequence of events in the development of the human respiratory system during the embryonic period proper. *Zeitschrift für Anatomie und Entwicklungsgeschichte*, 141, 237-250.

O'RAHILLY, R., & GARDNER, E. (1975). The timing and sequence of events in the development of the limbs in the human embryo. *Anatomy and Embryology*, 148, 1-23.

O'RAHILLY, R., & MUECKE, E.C. (1972). The timing and sequence of events in the development of the human urinary system during the embryonic period proper. *Zeitschrift für Anatomie und Entwicklungsgeschichte*, 138, 99-109.

O'RAHILLY, R., & MÜLLER, F. (1981). The first appearance of the human nervous system at stage 8. *Anatomy and Embryology*, 163, 1-13.

O'RAHILLY, R., & MÜLLER, F. (1990). Ventricular system and choroids plexuses of the human brain during the embryonic period. *American Journal of Anatomy*, 189, 285-302.

- O'RAHILLY, R., & MÜLLER, F. (2006). *The embryonic human brain: An atlas of developmental stages* (3<sup>rd</sup> ed.). Hoboken, NJ: Wiley.
- ODENT, S., ATTIE-BITACH, T., BLAYAU, M., MATHIEU, M., AUGE, J., DELEZOIDE, A.L., LE GALL, J.Y., LE MAREC, B., MUNNICH, A., DAVID, V., & VEKEMANS, M. (1999). Expression of the *Sonic hedgehog (SHH)* gene during early human development and phenotypic expression of new mutations causing holoprosencephaly. *Human Molecular Genetics*, 8, 1683-1689.
- OPITZ, J.M. (1985a). Invited editorial comment: Study of minor anomalies in childhood malignancy. *European Journal of Pediatrics*, 144, 252-254.
- OPITZ, J.M. (1985b). The developmental field concept. *American Journal of Medical Genetics*, 21, 1-11.
- OPITZ, J.M., FITZGERALD J.M., REYNOLDS, J.F., LEWIN, S.O., DANIEL, A., EKBLOM, L.S., & PHILLIPS S. (1987). The Montana Fetal Genetic Pathology Program and a review of prenatal death in humans. *American Journal of Medical Genetics Supplement*, 3, 93-112.
- OSBORN, D.P.J., NAZARETH, I., & KING, M.B. (2006). Risk for coronary heart disease in people with severe mental illness. *British Journal of Psychiatry*, 188, 271-277.
- OSORIO, J., & RETAUX, S. (2008). The lamprey in evolutionary studies. *Development, Genes and Evolution*, 218, 221-235.
- OTTE, D. (1972). Simple vs elaborate behavior in grasshoppers: An analysis of communication in the genus *Syrbula*. *Behaviour*, 42, 291-322.
- OYAMA, S. (2000). *Evolution's eye: A systems view of the biology-culture divide*. Durham: Duke University Press.
- PARKER, S.T., & MCKINNEY, M.L. (1999). *Origins of intelligence: The evolution of cognitive development in monkeys, apes, and humans*. Baltimore: Johns Hopkins University Press.
- PEARSON, A.A. (1941). The development of the olfactory nerve in man. *Journal of Comparative Neurology*, 75, 199-217.

- PELLEGRINI, A.D., & LONG, J.D. (2003). A sexual selection longitudinal analysis of sexual segregation and integration in early adolescence. *Journal of Experimental Child Psychology*, 85, 257-278.
- PHILLIPS, D.I.W. (2006). External influences on the fetus and their long-term consequences. *Lupus*, 15, 794-800.
- PIAGET, J. (1950). *The psychology of intelligence*. New York: Routledge.
- PIAGET, J. (1952). *The origins of intelligence in children*. New York: International Universities Press.
- PIAGET, J. (1970). *Structuralism*. New York: Basic Books.
- PIAGET, J. (1971). *Biology and knowledge: An essay on the relations between organic regulations and cognitive processes*. Chicago: University of Chicago Press.
- PIAGET, J. (1978). *Behavior and evolution*. New York: Pantheon Books.
- PIAGET, J. (1980a). *Adaptation and intelligence: Organic selection and phenocopy*. Chicago: University of Chicago Press.
- PIAGET, J. (1980b). The psychogenesis of knowledge and its epistemological significance. In M. Piattelli-Palmarini (Ed.), *Language and learning: The debate between Jean Piaget and Noam Chomsky* (pp. 23-34). London: Routledge & Kegan Paul.
- PIAGET, J., & INHELDER, B. (1969). *The psychology of the child*. New York: Basic Books.
- PINKER, S. (1997). *How the mind works*. New York: Norton.
- PLOEGER, A., VAN DER MAAS, H.L.J., & RAIJMAKERS, M.E.J. (2008a). Is evolutionary psychology a metatheory for psychology? A discussion of four major issues in psychology from an evolutionary developmental perspective. *Psychological Inquiry*, 19, 1-18.
- PLOEGER, A., VAN DER MAAS, H.L.J., & RAIJMAKERS, M.E.J. (2008b). Is evolutionary developmental biology a viable approach to the study of the human mind? *Psychological Inquiry*, 19, 41-48.
- POLIMENI, J., & REISS, J.P. (2002). How shamanism and group selection may reveal the origins of schizophrenia. *Medical Hypotheses*, 58, 244-248.

- POLIMENI, J., & REISS, J.P. (2003). Evolutionary perspectives on schizophrenia. *Canadian Journal of Psychiatry*, 48, 34-39.
- POPULATION COUNCIL (2003). *Misoprostol and teratogenicity: Reviewing the evidence*. Report of a Meeting at the Population Council New York, New York, 22 May 2002.
- PRIGOGINE, I., & STENGERS, I. (1983). *Order out of chaos*. New York: Bantam Books.
- PRIOR, T.I., CHUE, P.S., & TIBBO, P. (2000). Investigation of Turner syndrome in schizophrenia. *American Journal of Medical Genetics (Neuropsychiatric Genetics)*, 96, 373-378.
- PURANDARE, N., & PLUNKETT (1999). Co-occurrence of polydactyly and psychosis. *British Journal of Psychiatry*, 174, 460-460.
- QUINN, P.C., & EIMAS, P.D. (1996). Perceptual organization and categorization in young infants. In C. Rovee-Collier & L.P. Lipsitt (Eds.), *Advances in infancy research* (Vol. 10, pp. 1-36). Norwood, NJ: Ablex.
- RACHIDI, M., LOPES, C., DELEZOIDE, A.-L., & DELABAR, J.M. (2006). *C2orf5*, a human candidate gene for brain abnormalities and mental retardation in Down syndrome. *Cytogenetic and Genome Research*, 112, 16-22.
- RAFF, R.A. (1994). Developmental mechanisms in the evolution of animal form: Origins and evolvability of body plans. In S. Bengston (Ed.), *Early life on earth* (pp. 489-500). New York: Columbia University Press.
- RAFF, R.A. (1996). *The shape of life: Genes, development, and the evolution of animal form*. Chicago: University of Chicago Press.
- RAKIC, P., & YAKOVLEV, P.I. (1968). Development of the corpus callosum and cavum septi in man. *Journal of Comparative Neurology*, 132, 45-72.
- REDDY, K.S. (2005). Cytogenetic abnormalities and fragile-X syndrome in autism spectrum disorder. *BMC Medical Genetics*, 6, 3-18.

- REDIES, C., & PUELLES, L. (2004). Central nervous system development: From embryonic modules to functional modules. In G. Schlosser & G.P. Wagner (Eds), *Modularity in development and evolution* (pp. 154-182). Chicago: University of Chicago Press.
- REX, A.P., & PREUS, M. (1982). A diagnostic index for Down syndrome. *Journal of Pediatrics*, 100, 903-906.
- REYNOLDS, R.M., BROWNING, G.G.P., NAWROZ, I., & CAMPBELL, I.W. (2003). Von Recklinghausen's neurofibromatosis: neurofibromatosis type 1. *Lancet*, 361, 1552-1554.
- RICE, D., & BARONE, S. JR. (2000). Critical periods of vulnerability for the developing nervous system: Evidence from humans and animal models. *Environmental Health Perspectives*, 108, 511-533.
- RICHARDSON, M.K., HANKEN, J., GOONERATNE, M.L., PIEAU, C., RAYNAUD, A., SELWOOD, L., & WRIGHT, G.M. (1997). There is no highly conserved embryonic stage in the vertebrates: Implications for current theories of evolution and development. *Anatomy and Embryology*, 196, 91-106.
- RIDLEY, M. (2004). *Evolution* (3<sup>rd</sup> ed.). Malden, MA: Blackwell.
- RIENESL, R., & WAGNER, G.P. (1992). Constancy and change of basipodal variation patterns: A comparative study of crested and marbled newts - *Triturus cristatus*, *Triturus marmoratus* - and their natural hybrids. *Journal of Evolutionary Biology*, 5, 307-324.
- RIFKIN, L., LEWIS, S., JONES, P., TOONE, B., & MURRAY, R. (1994). Low birth weight and schizophrenia. *British Journal of Psychiatry*, 165, 357-362.
- ROBERTS, R.D., & STANKOV, L. (1999). Individual differences in speed of mental processing and human cognitive abilities: Toward a taxonomic model. *Learning and Individual Differences*, 11, 1-120.
- ROBERTSON, G.S., HORI, S.E., & POWELL, K.J. (2006). Schizophrenia: an integrative approach to modelling a complex disorder. *Journal of Psychiatry & Neuroscience*, 31, 157-167.
- RODIER, P.M. (2002). Converging evidence for brain stem injury in autism. *Development and Psychopathology*, 14, 537-557.

- RODIER, P.M., BRYSON, S.E., & WELCH, J.P. (1997). Minor malformations and physical measurements in autism: Data from Nova Scotia. *Teratology*, 55, 319-325.
- ROIZEN, N.J., & PATTERSON, D. (2003). Down's syndrome. *Lancet*, 361, 1281-1289.
- ROVINSKY, J. (2006). Rheumatic diseases and Klinefelter's syndrome. *Autoimmunity Reviews*, 6, 33-36.
- RUHLAND, R. (1999). Closed class words in motion: An application of catastrophe theory to language development. In G.J.P. Savelsbergh, H.L.J. van der Maas, & P. van Geert (Eds.), *Non-linear developmental processes* (pp. 39-51). Amsterdam: Royal Netherlands Academy of Arts and Sciences.
- RUHLAND, R., & VAN GEERT, P. (1998). Jumping into syntax: Transitions in the development of closed class words. *British Journal of Developmental Psychology*, 16, 65-95.
- SAFFRAN, J.R. (2003). Statistical language learning: Mechanisms and constraints. *Current Directions in Psychological Science*, 12, 110-114.
- SAMUELS, R. (1998). Evolutionary psychology and the massive modularity hypothesis. *British Journal for the Philosophy of Science*, 49, 575-602.
- SANDER, K. (1983). The evolution of patterning mechanisms: Gleaning from insect embryogenesis and spermatogenesis. In B.C. Goodwin, N. Holder, & C.C. Wylie (Eds.), *Development and evolution* (pp. 137-159). Cambridge, UK: Cambridge University Press.
- SCHEINERMAN, E.R. (1996). *Invitation to dynamical systems*. Upper Saddle River, NJ: Prentice Hall.
- SCHIFFMAN, J., EKSTROM, M., LABRIE, J., SCHULSINGER, F., SORENSEN, H., & MEDNICK, S. (2002). Minor physical anomalies and schizophrenia spectrum disorders: A prospective investigation. *American Journal of Psychiatry*, 159, 238-243.
- SCHLOSSER, G., & WAGNER, G.P. (Eds.) (2004). *Modularity in development and evolution*. Chicago: University of Chicago Press.
- SCHMIDHUBER, J., & HEIL, S. (1996). Sequential neural text compression. *IEEE Transactions on Neural Networks*, 7, 142-146.

- SCHMITT, D.P., & 118 MEMBERS OF THE INTERNATIONAL SEXUALITY DESCRIPTION PROJECT (2003). Universal sex differences in the desire for sexual variety: Tests from 52 nations, 6 continents, and 13 islands. *Journal of Personality and Social Psychology, 85*, 85-104.
- SCHMITZ, C., & REZAIE, P. (2008). The neuropathology of autism: where do we stand? *Neuropathology and Applied Neurobiology, 34*, 4-11.
- SCHRAW, G., DUNKLE, M.E., BENDIXEN, L.D., & ROEDEL, T.D. (1995). Does a general monitoring skill exist? *Journal of Educational Psychology, 87*, 433-444.
- SCHREUDER, M., & DE WAAL, H.D.V. (2006). Consequences of intrauterine growth restriction for the kidney. *Kidney & Blood Pressure Research, 29*, 108-125.
- SCHWENK, K., & WAGNER, G.P. (2003). Constraint. In B.K. Hall & W.M. Olson (Eds.), *Keywords and concepts in evolutionary developmental biology* (pp. 52-61). Cambridge, MA: Harvard University Press.
- SELTEN, J.P., CANTOR-GRAAE, E., NAHON, D., LEVAV, I., ALEMAN, A., & KAHN, R.S. (2003). No relationship between risk of schizophrenia and prenatal exposure to stress during the Six-Day War or Yom Kippur War in Israel. *Schizophrenia Research, 63*, 131-135.
- SELTEN, J.P., VAN DER GRAAF, Y., VAN DUURSEN, R., GISPEN-DE WIED, C.C., & KAHN, R.S. (1999). Psychotic illness after prenatal exposure to the 1953 Dutch Flood Disaster. *Schizophrenia Research, 35*, 243-245.
- SHARKEY, A.J.C., SHARKEY, N.E., & CHANDROTH, G.O. (1996). Diverse neural net solutions to a fault diagnosis problem. *Neural Computing & Applications, 4*, 218-227.
- SHENEFELT, R.E. (1972). Morphogenesis of malformation in hamsters caused by retinoic acid: relation to dose and stage at treatment. *Teratology, 5*, 103-118.
- SHENTON, M.E., DICKEY, C.C., FRUMIN, M., & MCCARLEY, R.W. (2001). A review of MRI findings in schizophrenia. *Schizophrenia Research, 49*, 1-52.

- SHUBIN, N., WAKE, D.B. & CRAWFORD, A.J. (1995). Morphological variation in the limbs of *Taricha Granulosa* (Caudata: Salamandridae): Evolutionary and phylogenetic implications. *Evolution*, 49, 874-884.
- SIEGLER, R.S. (1981). Developmental sequences within and between concepts. *Monographs of the Society for Research in Child Development*, 46 (2, Serial No. 189).
- SIVKOV, S.T., & AKABALIEV, V.H. (2003a). Minor physical anomalies in mentally healthy subjects: Internal consistency of the Waldrop Physical Anomaly Scale. *American Journal of Human Biology*, 15, 61-67.
- SIVKOV, S.T., & AKABALIEV, V.H. (2003b). Minor physical anomalies in schizophrenic patients and normal controls. *Psychiatry*, 66, 222-233.
- SMITH, L.B., & THELEN, E. (Eds.) (1993). *A dynamic systems approach to development: Applications*. Cambridge, MA: MIT Press.
- SOKAL, J., MESSIAS, E., DICKERSON, F.B., KREYENBUHL, J., BROWN, C.H., GOLDBERG, R.W., & DIXON, L.B. (2004). Comorbidity of medical illnesses among adults with serious mental illness who are receiving community psychiatric services. *Journal of Nervous and Mental Disease*, 192, 421-427.
- SOLÉ, R., & GOODWIN, B. (2000). *Signs of life: How complexity pervades biology*. New York: Basic Books.
- SOLÉ, R., SALAZAR-CIUDAD, I., & GARCIA-FERNÁNDEZ, J. (2002). Common pattern formation, modularity and phase transitions in a gene network model of morphogenesis. *Physica A*, 305, 640-654.
- SPEARMAN, C. (1904). General intelligence, objectively determined and measured. *American Journal of Psychology*, 15, 201-293.
- SPELKE, E.S. (1994). Initial knowledge: Six suggestions. *Cognition*, 50, 431-455.

- SPERBER, D. (1994). The modularity of thought and the epidemiology of representations. In L.A. Hirschfeld & S.A. Gelman (Eds.), *Mapping the mind: Domain specificity in cognition and culture* (pp. 39-67). Oxford, UK: Oxford University Press.
- ST CLAIR, D., XU, M.Q., WANG, P., YU, Y.Q., FANG, Y.R., ZHANG, F., ZHENG, X.Y., GU, N.F., FENG, G.Y., SHAM, P., & HE, L. (2005). Rates of adult schizophrenia following prenatal exposure to the Chinese famine of 1959-1961. *JAMA-Journal of the American Medical Association*, 294, 557-562.
- STADLER, B.M.R., STADLER, P.F., WAGNER, G.P., & FONTANA, W. (2001). The topology of the possible: Formal spaces underlying patterns of evolutionary change. *Journal of Theoretical Biology*, 213, 241-274.
- STEFFENBURG, S., GILLBERG, C., HELLGREN, L., ANDERSSON, L., GILLBERG, I.C., JAKOBSSON, G., & BOHMAN, M. (1989). A twin study of autism in Denmark, Finland, Iceland, Norway and Sweden. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 30, 405-416.
- STEREINY, K., & GRIFFITHS, P.E. (1999). *Sex and death: An introduction to philosophy of biology*. Chicago: University of Chicago Press.
- STERN, D.L. (2000). Evolutionary developmental biology and the problem of variation. *Evolution*, 54, 1079-1091.
- STRÖMLAND, K., NORDIN, V., MILLER, M., AKERSTRÖM, B., & GILLBERG, C. (1994). Autism in thalidomide embryopathy: A population study. *Developmental Medicine and Child Neurology*, 36, 351-356.
- SUDARSHAN, A., & GOLDIE, W.D. (1985). The spectrum of congenital facial diplegia (Moebius syndrome). *Pediatric Neurology*, 1, 180-184.
- SULLIVAN, P.F., KENDLER, K.S., & NEALE, M.C. (2003). Schizophrenia as a complex trait - Evidence from a meta-analysis of twin studies. *Archives of General Psychiatry*, 60, 1187-1192.
- SUSSER, E.S., & LIN, S.P. (1992). Schizophrenia after prenatal exposure to the Dutch Hunger Winter of 1944-1945. *Archives of General Psychiatry*, 49, 983-988.

- SUTLIFF, K.F., & HUTCHINS, G.M. (1994). Septation of the respiratory and digestive tracts in human embryos: Crucial role of the tracheoesophageal sulcus. *Anatomical Record*, 238, 237-247.
- SWANSON, H.L., & SACHSE-LEE, C. (2001). A subgroup analysis of working memory in children with reading disabilities: Domain-general or domain-specific deficiency? *Journal of Learning Disabilities*, 34, 249-263.
- SWANSON, H.L., HOWARD, C.B., & SAEZ, L. (2006). Do different components of working memory underlie different subgroups of reading disabilities? *Journal of Learning Disabilities*, 39, 252-269.
- SYMONS, D. (1992). On the use and misuse of Darwinism in the study of human behavior. In J.H. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind; Evolutionary psychology and the generation of culture* (pp. 137-159). New York: Oxford University Press.
- TAKASE, K., OHTSUKI, T., MIGITA, O., TORU, M., INADA, T., YAMAKAWA-KOBAYASHI, K., & ARINAM, T. (2001). Association of ZNF74 gene genotypes with age-at-onset of schizophrenia. *Schizophrenia Research*, 52, 161-165.
- TEN DONKELAAR, H.J., LAMMENS, M., CRUYSBERG, J.R.M., HORI, A., SHIOTA, K., & VERBIST, B. (2006). Development and developmental disorders of the forebrain. In H.J. ten Donkelaar, M. Lammens, & A. Hori (Eds.), *Clinical neuroembryology: Development and developmental disorders of the human central nervous system* (pp. 345-428). Berlin: Springer.
- TEN DONKELAAR, H.J., & VERMEIJ-KEERS, C. (2006). The neural crest and craniofacial malformations. In H.J. ten Donkelaar, M. Lammens, & A. Hori (Eds.), *Clinical neuroembryology: Development and developmental disorders of the human central nervous system* (pp. 191-228). Berlin: Springer.
- THEILER, K. (1989). *The house mouse: Atlas of embryonic development*. Berlin: Springer Verlag.
- THELEN, E. (1985). Developmental origins of motor coordination: Leg movement in human infants. *Developmental Psychobiology*, 18, 1-22.
- THELEN, E., & SMITH, L.B. (1994). *A dynamic systems approach to the development of cognition and action*. Cambridge, MA: MIT Press.

- TILGHMAN, S.M. (1999). The sins of the fathers and mother: genomic imprinting in mammalian development. *Cell*, 96, 185-193.
- TOOBY, J., & COSMIDES, L. (1990). On the universality of human nature and the uniqueness of the individual: The role of genetics and adaptation. *Journal of Personality*, 58, 17-67.
- TOOBY, J., & COSMIDES, L. (1992). The psychological foundations of culture. In J.H. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture* (pp. 19-136). New York: Oxford University Press.
- TOOBY, J., COSMIDES, L., & BARRETT, H.C. (2003). The second law of thermodynamics is the first law of psychology: Evolutionary developmental psychology and the theory of tandem, coordinated inheritances: Comment on Lickliter and Honeycutt (2003). *Psychological Bulletin*, 129, 858-865.
- TREFFERT, D.A. (1999). The savant syndrome and autistic disorder. *CNS Spectrums*, 4, 57-60.
- TREFFERT, D.A. (2000). *Extraordinary people: Understanding savant syndrome*. iUniverse.com, Lincoln.
- TRIXLER, M., & TÉNYI, T. (2000). Problems with the Waldrop Scale. *American Journal of Psychiatry*, 157, 486.
- TRIXLER, M., TÉNYI, T., CSÁBI, G., & SZABÓ, G. (2001). Minor physical anomalies in schizophrenia and bipolar affective disorder. *Schizophrenia Research*, 52, 195-201.
- TRIXLER, M., TÉNYI, T., CSÁBI, G., SZABÓ, G., & MÉHES, K. (1997). Informative morphogenetic variants in patients with schizophrenia and alcohol-dependent patients: Beyond the Waldrop Scale. *American Journal of Psychiatry*, 154, 691-693.
- TRUE, J.R., & CARROLL, S.B. (2002). Gene co-option in physiological and morphological evolution. *Annual Review of Cell and Developmental Biology*, 18, 53-80.
- TSUANG, D., DiGIACOMO, L., LIPE, H., & BIRD, T.D. (1998). Familial aggregation of schizophrenia-like symptoms in Huntington's disease. *American Journal of Medical Genetics (Neuropsychiatric Genetics)*, 81, 323-327.

- TURELLI, M. (1984). Heritable genetic variation via mutation-selection balance: Lerch's Zeta meets the abdominal bristle. *Theoretical Population Biology*, 25, 138-193.
- UEDA, K., NISHIDA, Y., OSHIMA, K., & SHEPARD, T.H. (1979). Congenital rubella syndrome: Correlation of gestational age at time of maternal rubella with type of defect. *Journal of Pediatrics*, 94, 763-765.
- VAN AMELSOORT, T., DALY, E., ROBERTSON, D., SUCKLING, J., NG, V., CRITCHLEY, H., OWEN, M.J., HENRY, J., MURPHY, K.C., & MURPHY, D.G.M. (2001). Structural brain abnormalities associated with deletion at chromosome 22q11. *British Journal of Psychiatry*, 178, 412-419.
- VAN DEN WILDEBERG, W.P.M., & VAN DER MOLEN, M.W. (2004). Developmental trends in simple and selective inhibition of compatible and incompatible responses. *Journal of Experimental Child Psychology*, 87, 201-220.
- VAN DER MAAS, H.L.J., DOLAN, C.V., GRASMAN, R.P.P.P., WICHERTS, J.M., HUIZENGA, H.M., & RAIJMAKERS, M.E.J. (2006). A dynamical model of general intelligence: the positive manifold of intelligence by mutualism. *Psychological Review*, 113, 842-861.
- VAN DER MAAS, H.L.J., & MOLENAAR, P.C.M. (1992). Stagewise cognitive development: An application of catastrophe theory. *Psychological Review*, 99, 395-417.
- VAN OS, J., & SELTEN, J.P. (1998). Prenatal exposure to maternal stress and subsequent schizophrenia: the May 1940 invasion of the Netherlands. *British Journal of Psychiatry*, 172, 324-326.
- VAN RIJN, S., ALEMAN, A., SWAAB, H., & KAHN, R.S. (2006). Klinefelter's syndrome (karyotype 47,XXY) and schizophrenia-spectrum pathology. *British Journal of Psychiatry*, 189, 459-460.
- VEENMAN, M.V.J., & VERHEIJ, J. (2003). Technical students' metacognitive skills: relating general vs. specific metacognitive skills to study success. *Learning and Individual Differences*, 13, 259-272.

- VERDOUX, H., GEDDES, J.R., TAKEI, N., LAWRIE, S.M., BOVET, P., EAGLES, J.M., HEUN, R., MCCREADIE, R.G., MCNEIL, T.F., OCALLAGHAN, E., STOBER, G., WILLINGER, U., WRIGHT, P., & MURRAY, R.M. (1997). Obstetric complications and age at onset in schizophrenia: An international collaborative meta-analysis of individual patient data. *American Journal of Psychiatry*, *154*, 1220-1227.
- VEREJKEN, B., & ADOLPH, K. (1999). Transitions in the development of locomotion. In G.J.P. Savelsbergh, H.L.J. van der Maas, & P. van Geert (Eds.), *Non-linear developmental processes* (pp. 137-149). Amsterdam: Royal Netherlands Academy of Arts and Sciences.
- VISOOTSAK, J., WARREN, S.T., ANIDO, A., & GRAHAM, J.M. (2005). Fragile X syndrome: An update and review for the primary pediatrician. *Clinical Pediatrics*, *44*, 371-381.
- VITELLI, F., MORISHIMA, M., TADDEI, I., LINDSAY, E.A., & BALDINI, A. (2002). Tbx1 mutation causes multiple cardiovascular defects and disrupts neural crest and cranial nerve migratory pathways. *Human Molecular Genetics*, *11*, 915-922.
- VOGELS, A., DE HERT, M., DESCHEEMAEKER, M.J., GOVERS, V., DEVRIENDT, K., LEGIUS, E., PRINZIE, P., & FRYNS, J.P. (2004). Psychotic disorders in Prader-Willi syndrome. *American Journal of Medical Genetics*, *127A*, 238-243.
- VOLKMAR, F.R., & PAULS, D. (2003). Autism. *Lancet*, *362*, 1133-1141.
- VONSATTEL, J.P., & DiFIGLIA, M. (1998). Huntington's disease. *Journal of Neuropathology & Experimental Neurology*, *57*, 369-384.
- VORSTMAN, J.A., MORCUS, M.E., DUIJFF, S.N., KLAASSEN, P.W., HEINEMAN-DE BOER, J.A., BEEMER, F.A., SWaab, H., KAHN, R.S., & VAN ENGELAND, H. (2006). The 22q11.2 deletion in children: High rate of autistic disorders and early onset of psychotic symptoms. *Journal of the American Academy of Child and Adolescent Psychiatry*, *45*, 1104-1113.
- WADDINGTON, J.L., LANE, A., SCULLY, P., LARKIN, C., & O'CALLAGHAN, E. (1998). Neurodevelopmental and neuroprogressive processes in schizophrenia: antithetical or complementary, over a lifetime trajectory of disease? *Psychiatric Clinics of North America*, *21*, 123-149.

- WADDINGTON, J.L., LANE, A., SCULLY, P., MEAGHER, D., QUINN, J., LARKIN, C., & O'CALLAGHAN, E. (1999). Early cerebro-craniofacial dysmorphogenesis in schizophrenia: a lifetime trajectory model from neurodevelopmental basis to 'neuroprogressive' process. *Journal of Psychiatric Research*, 33, 477-489.
- WAGNER, A. (2005). *Robustness and evolvability in living systems*. Princeton, NJ: Princeton University Press.
- WAGNER, G.P. (1988). The influence of variation and of developmental constraints on the rate of multivariate phenotypic evolution. *Journal of Evolutionary Biology*, 1, 45-66.
- WAGNER, G.P. (1996). Homologues, natural kinds and the evolution of modularity. *American Zoologist*, 36, 36-43.
- WAGNER, G.P. (2000). What is the promise of developmental evolution? Part I: Why is developmental biology necessary to explain evolutionary innovations? *Journal of Experimental Zoology (Mol Dev Evol)*, 288, 95-98.
- WALDROP, M.F., & HALVERSON, C.F. (1971). Minor physical anomalies and hyperactive behavior in young children. In Hellmuth (Ed.), *Exceptional infant* (pp. 343-381). New York: Brunner/Mazel.
- WALDROP, M.F., PEDERSEN, F.A., & BELL, R.Q. (1968). Minor physical anomalies and behavior in preschool children. *Child Development*, 39, 391-400.
- WALKER, H.A. (1977). Incidence of minor physical anomalies in autism. *Journal of Autism & Childhood Schizophrenia*, 7, 165-176.
- WANG, H.-L., WANG, G.-H., LI, Q.-Y., SHU, C., JIANG, M.-S., & GUO, Y. (2006). Prevalence of *Toxoplasma* infection in first-episode schizophrenia and comparison between *Toxoplasma*-seropositive and *Toxoplasma*-seronegative schizophrenia. *Acta Psychiatrica Scandinavica*, 114, 40-48.
- WARWICK, M.M., LAWRIE, S.M., BEVERIDGE, A., & JOHNSTONE, E.C. (2003). Abnormal cerebral asymmetry and schizophrenia in a subject with Klinefelter's syndrome. *Biological Psychiatry*, 53, 627-629.

- WEBER, B.H., & DEPEW, D.J. (Eds.) (2003). *Evolution and learning: The Baldwin effect reconsidered*. Cambridge, MA: MIT Press.
- WEINBERGER, D.R. (1987). Implications of normal brain development for the pathogenesis of schizophrenia. *Archives of General Psychiatry*, 44, 660-669.
- WEINBERGER, D.R. (1996). On the plausibility of "The neurodevelopmental hypothesis" of schizophrenia. *Neuropsychopharmacology*, 14, 1S-11S.
- WEINSTEIN, D.D., DIFORIO, D., SCHIFFMAN, J., WALKER, E., & BONSALL, R. (1999). Minor physical anomalies, dermatoglyphic asymmetries, and cortisol levels in adolescents with schizotypal personality disorder. *American Journal of Psychiatry*, 156, 617-618.
- WEISFELD, G.E., CZILLI, T., PHILLIPS, K.A., GALL, J.A., & LICHTMAN, C.M. (2003). Possible olfaction-based mechanisms in human kin recognition and inbreeding avoidance. *Journal of Experimental Child Psychology*, 85, 279-295.
- WEST-EBERHARD, M.J. (2003). *Developmental plasticity and evolution*. New York: Oxford University Press.
- WIER, M.L., YOSHIDA, C.K., ODOULI, R., GRETHER, J.K., & CROEN, L.A. (2006). Congenital anomalies associated with autism spectrum disorders. *Developmental Medicine and Child Neurology*, 48, 500-507.
- WILLIAMS, C.A., ZORI, R.T., STONE, J.W., GRAY, B.A., CANTU, E.S., & OSTRER, H. (1990). Maternal origin of 15q11-13 deletions in Angelman syndrome suggests a role for genomic imprinting. *American Journal of Medical Genetics*, 35, 350-353.
- WILLIAMS, G.C. (1966). *Adaptation and natural selection: A critique of some current evolutionary thought*. Princeton, NJ: Princeton University Press.
- WILLIAMS, J.G., HIGGINS, J.P.T., & BRAYNE, C.E.G. (2006). Systematic review of prevalence studies of autism spectrum disorders. *Archives of Disease in Childhood*, 91, 8-15.
- WILLIAMS, P.G., & HERSH, J.H. (1998). Brief report: The association of neurofibromatosis type 1 and autism. *Journal of Autism and Developmental Disorders*, 28, 567-571.

- WILLINGER, U., HEIDEN, A.M., MESZAROS, K., FORMANN, A.K., & ASCHAUER, H.N. (2001). Neurodevelopmental schizophrenia: Obstetric complications, birth weight, premorbid social withdrawal and learning disabilities. *Neuropsychobiology*, 43, 163-169.
- WILSON, J.G. (1965). Methods for administering agents and detecting malformations in experimental animals. In J.G. Wilson & J. Warkany (Eds.), *Teratology: principles and techniques* (pp. 262-277). Chicago: University of Chicago Press.
- WIMMERS, R.H., SAVELSBERGH, G.J.P., BEEK, P.J., & HOPKINS, B. (1998). Evidence for a phase transition in the early development of prehension. *Developmental Psychobiology*, 32, 235-248.
- WIZNITZER, M. (2004). Autism and tuberous sclerosis. *Journal of Child Neurology*, 19, 675-679.
- WRIGHT, S. (1968). *Evolution and the genetics of populations* (Vol. 1, Genetic and Biometric Foundation). Chicago: University of Chicago Press.
- WURDAK, H., ITTNER, L.M., & SOMMER, L. (2006). DiGeorge syndrome and pharyngeal apparatus development. *BioEssays*, 28, 1078-1086.
- YANG, J., & LI, W-H. (2004). Developmental constraint on gene duplicability in fruit flies and nematodes. *Gene*, 340, 237-240.
- YAO, Y., WALSH, W.J., MCGINNIS, W.R., & PRATICO, D. (2006). Altered vascular phenotype in autism. *Archives of Neurology*, 63, 1161-1164.
- YOUNG, R., & NETTLEBECK, T. (1995). The abilities of a musical savant and his family. *Journal of Autism and Developmental Disorders*, 25, 229-245.
- ZAFEIRIOU, D.I., VERVERI, A., & VARGIAMI, E. (2007). Childhood autism and associated comorbidities. *Brain and Development*, 29, 257-272.
- ZHANG, X.-S., WANG, J., & HILL, W.G. (2004a). Influence of dominance, leptokurtosis and pleiotropy of deleterious mutations on quantitative genetic variation at mutation-selection balance. *Genetics*, 166, 597-610.

ZHANG, X.-S., WANG, J, & HILL, W.G. (2004b). Redistribution of gene frequency and changes of genetic variation following a bottleneck in population size. *Genetics*, 167, 1475-1492.

ZHANG, X-S., & HILL, W.G. (2005). Genetic variability under mutation selection balance. *Trends in Ecology and Evolution*, 20, 468-4