

Margaret Rosario, Ph.D.  
 mrosario@gc.cuny.edu, 212-650-5420  
 221

The City University of New York  
 Office hours by appointment, NAC 7-

**PSY 8343 2LM(27257) at CCNY and PSYC 83403 1(60822) at GC**

**Sex and Gender, Fall 2019**

Tuesday 9:45-11:45 in NAC 8-132

Sex and gender constitute some of the most basic identities that individuals have. These identities develop early in life, are hypothesized to involve multiple determinants at various levels of analysis (e.g., biological, psychodynamic), and have profound implications for the individual's life in their own right and given the sociocultural climate in which they unfold and are experienced. This course aims to address the identities' determinants, development, and implications for mental and physical health and for positive adaptation. By the end of the course, the student should appreciate and understand the biopsychosocial factors underlying sex and gender, as well as the relations of those factors to health.

**Requirements**

Each student will select a substantive area to investigate in detail and to summarize for the seminar via an oral presentation. The student will generate a final paper that further elaborates on the area of interest or that addresses another area of concern in sex and gender. The paper must be *no more* than 15 double-spaced pages and adhere to APA writing style. *The term paper is due at the last meeting of the seminar.*

The first half of most weekly meetings will be devoted to review and discussion of the assigned readings, and the remaining half to a student's oral presentation. For both parts of the weekly gathering (i.e., the assigned readings and oral presentations), critical evaluation of the literature and originality of ideas will be rewarded, as will class participation.

**Required Texts**

Freud, S. (1962). *Three essays on the theory of sexuality*. New York: Basic.  
 Freud, S. (1963). *Sexuality and the psychology of love*. New York: Collier.

**Note.** Read the required readings in the order listed. Recommended readings are identified by an asterisk. All articles are available on Blackboard.

**Course Schedule and Readings**

**August 27: Introduction**

**September 3: Nature v. Nurture, Biology v. Environment**

Robinson, G.E., Fernald, R.D., & Clayton, D.F. (2008). Genes and behavior. *Science*, 322, 896-900.

Morton, T.A., Postmes, T., Haslam, S.A., & Hornsey, M.J. (2009). Theorizing gender in the face of social change: Is there anything essential about essentialism? *Journal of Personality and Social Psychology*, 96, 653-664.

van Anders, S.M. (2013). Beyond masculinity: Testosterone, gender/sex, and human social behavior in a comparative context. *Frontiers in Neuroendocrinology*, 34, 198-210. (See erratum below.)

van Anders, S.M. (2014). Corrigendum to "Beyond masculinity: Testosterone, gender/sex, and human social behavior in a comparative context." *Frontiers in Neuroendocrinology*, 35, 7.

\*Booth, A., Johnson, D.R., Granger, D.A., Crouter, A.C., & McHale, S. (2003). Testosterone and child and adolescent adjustment: The moderating role of parent-child relationships. *Developmental Psychology*, 39, 85-98.

\*DiPietro, J.A., Hilton, S.C., Hawkins, M., & Costigan, K.A. (2002). Maternal stress and affect influence fetal neurobehavioral development. *Developmental Psychology*, 38, 659-668.

\*Krendl, A.C., Richeson, J.A., Kelley, W.M., & Heatherton, T.F. (2008). The negative consequences of threat: A functional magnetic resonance imaging investigation of the neural mechanisms underlying women's underperformance in math. *Psychological Science*, 19, 168-175.

\*Nazareth, A., Herrer, A., & Pruden, S. (2013). Explaining sex differences in mental rotation: Role of special activity experience. *Cognitive Process*, 14, 201-204.

\*Wang, J., Korczykowski, M., Rao, H., Fan, Y., Pluta, J., Ruben, C., McEwen, B.S., & Detre, J.A. (2007). Gender differences in neural response to psychological stress. *Social Cognition and Affective Neuroscience*, 2, 227-239.

\*Eagly, A.H., & Wood, W. (2013). The nature-nurture debates: 25 years of challenges in understanding the psychology of gender. *Perspectives on Psychological Science*, 8, 340-357.

*Note.* For a more basic, fascinating, and clinically important article, which exemplifies the emerging field of epigenetics, see:

\*Caspi, A., Sugden, K., Moffitt, T.E., Taylor, A., Craig, I.W., Harrington, H., McClay, J., Mill, J., Martin, J., Braithwaite, A.,

& Poulton, R. (2003). Influence of life stress on depression: Moderation by a polymorphism in the 5-HTT gene. *Science*, *301*, 386-389.

### September 10: Origins and Implications of Sex and Sex Differences I: Biology

Eckel, L.A., Arnold, A.P., Hampson, E., Becker, J.B., Blaustein, J.D., & Herman, J.P. (2008). Research and methodological issues in the study of sex differences and hormone-behavior relations. In J.B. Becker, K.J. Berkley, N. Geary, E. Hampson, J. P. Herman, & E.A. Young (Eds.), *Sex differences in the brain: From genes to behavior* (pp. 35-61). New York: Oxford University Press.

*Note.* This, the biological underpinnings of sex and gender, is a complicated research area that continues to receive much attention. It includes genetics, endocrinology, neuroscience, and evolution; the latter is addressed next week. The assigned readings to date have introduced you to this vast area, including its concepts, methods, and questions of critical interest. They and the recommended reviews by Sir Michael Rutter and colleagues (2006) and Dick Swaab (2005) will allow you to broach the empirical literature. To underscore that our biological systems are not fixed except during our early and waning years, but, instead, change across the entire lifespan, the Chung article presents empirical findings on the continued sexual differentiation of the brain in adulthood. **All adolescent analysts should consider reading Casey's fascinating work (the 2015 article is more precise and technical than the 2008 article) and link it with Romer et al. (2017).**

\*Rutter, M., Moffitt, T.E., & Caspi, A. (2006). Gene-environment interplay and psychopathology: Multiple varieties but real effects. *Journal of Child Psychology and Psychiatry*, *47*, 226-261.

\*Swaab, D.F. (2005). The role of hypothalamus and endocrine system in sexuality. In J.S. Hyde (Ed.), *Biological substrates of human sexuality* (pp. 21-74). Washington, DC: American Psychological Association.

\*Chung, W.C.J., De Vries, G.J., & Swaab, D.F. (2002). Sexual differentiation of the bed nucleus of the stria terminalis in humans may extend into adulthood. *Journal of Neuroscience*, *22*, 1027-1033.

\*Casey, B. J., Getz, S., & Galvan, A. (2008). The adolescent brain. *Developmental Review*, *28*, 62-77.

\*Casey, B. J. (2015). Beyond simple models of self-control to circuit-based accounts of adolescent behavior. *Annual Review of Psychology*, *66*, 295-319.

\*Romer, D., Reyna, V. F., & Satterthwaite, D. (2017). Beyond stereotypes of adolescent risk taking: Placing the adolescent brain in developmental context. *Developmental Cognitive Neuroscience*, *27*, 19-34.

### September 17: Origins and Implications of Sex and Sex Differences II: Biology

Buss, D.M., & Schmitt, D.P. (1993). Sexual strategies theory: An evolutionary perspective on human mating. *Psychological Review*, *100*, 204-232.

Conley, T.D., Moors, A.C., Matsick, J.L., Ziegler, A., & Valentine, B.A. (2011). Women, men, and the bedroom: Methodological and conceptual insights that narrow, reframe, and eliminate gender differences in sexuality. *Current Directions in Psychological Science*, *20*, 296-300.

Schmitt, D. P., Jonason, P. K., Byerley, G. J., Flores, S. D., Illbeck, B. E., O'Leary, K. N., & Qudrat, A. (2012). A reexamination of sex differences in sexuality: New studies reveal old truths. *Current Directions in Psychological Science*, *21*, 135-139.

Fausto-Sterling, A. (2019). Gender/sex, sexual orientation, and identity are in the body: How did they get there? *Journal of Sex Research*, *56*, 529-555.

### September 24: Classical and Current Psychodynamic Perspectives

Freud, S. The 3<sup>rd</sup> essay (1905). In Freud, S. (1962). *Three essays on the theory of sexuality*. New York: Basic.

Freud, S. Female sexuality (1931). In *Sexuality and the psychology of love*. New York: Collier.

Flax, J. (2002). Resisting woman: On feminine difference in the work of Horney, Thompson, and Moulton. *Contemporary Psychoanalysis*, *38*, 257-276.

Harris, A. (2000). Gender as soft assembly: Tomboys' stories. *Studies in Gender and Sexuality*, *1*, 223-250.

\*Corbett, K. (2009). *Boyhoods: Rethinking masculinities*. New Haven, CT: Yale University Press.

\*Harris, A. (2005). *Gender as soft assembly*. Hillsdale, NJ: Analytic Press.

### October 1 and 8: No classes, per CUNY

#### October 15: Plasticity and Libidinal Evidence

Baumeister, R.F. (2000). Gender differences in erotic plasticity: The female sex drive as socially flexible and responsive. *Psychological Bulletin*, *126*, 347-374.

Chivers, M.L., Seto, M. C., & Blanchard, R. (2007). Gender and sexual orientation differences in sexual response to sexual activities across gender of actor in sexual films. *Journal of Personality and Social Psychology*, *93*, 1108-1121.

Cherkasskaya, E., & Rosario, M. (2019). The relational and bodily experiences theory (RBET) of sexual desire in women.

*Archives of Sexual Behavior*, 49, 1659-1681.

\*Petersen, J.L., & Hyde, J.S. (2010). A meta-analytic review of research on gender differences in sexuality, 1993-2007. *Psychological Bulletin*, 136, 21-38.

### **October 22: Attitudes and Stereotypes**

Ellemers, N. (2018). Gender stereotypes. *Annual Review of Psychology*, 69, 275-298.

Hideg, I., & Ferris, D.L. (2016). The compassionate sexist? How benevolent sexism promotes and undermines gender equality in the workplace. *Journal of Personality and Social Psychology*, 111, 706-727.

### **October 29: Sex at the Cognitive Level**

Bussey, K., & Bandura, A. (1999). Social cognitive theory of gender development and differentiation. *Psychological Review*, 106, 676-713.

Martin, C.L., Ruble, D.N., & Szkrybalo, J. (2002). Cognitive theories of early gender development. *Psychological Bulletin*, 128, 903-933.

Alexander, G.M., & Hines, M. (2002). Sex differences in response to children's toys in nonhuman primates (*Cercopithecus aethiops sabaeus*). *Evolution and Human Behavior*, 23, 467-479.

Steele, C.M. (1997). A threat in the air: How stereotypes shape intellectual identity and performance. *American Psychologist*, 52, 613-629. (Note. The Spencer et al. article to which he refers was in press at the time. Its actual published citation is Spencer, J.S., Steele, C.M., & Quinn, D.M. (1999). Stereotype threat and women's math performance. *Journal of Experimental Psychology*, 35, 4-28.)

### **November 5: Sex at the Interpersonal and Societal Levels**

Rose, A.J., & Rudolph, K.D. (2006). A review of sex differences in peer relationship processes: Potential trade-offs for the emotional and behavioral development of girls and boys. *Psychological Bulletin*, 132, 98-131.

Tenenbaum, H.R., & Leaper, C. (2003). Parent-child conversations about science: The socialization of gender inequalities. *Developmental Psychology*, 39, 34-47.

Wood, W., & Eagly, A.H. (2002). A cross-cultural analysis of the behavior of women and men: Implications for the origins of sex differences. *Psychological Bulletin*, 128, 699-727.

Hammond, M.D., & Overall, N.C. (2017). Dynamics within intimate relationships and the causes, consequences, and functions of sexist attitudes. *Current Directions in Psychological Science*, 26, 120-125.

*Note.* Recall and draw out the implications of Buss and Schmitt (1993) from the fourth week of the seminar.

\*Murphy, M.C., Steele, C.M., & Gross, J.J. (2007). Signaling threat: How situational cues affect women in math, science, and engineering settings. *Psychological Science*, 18, 879-885.

\*Tenenbaum, H.R., & Leaper, C. (2002). Are parents' gender schemas related to their children's gender-related cognitions: A meta-analysis. *Developmental Psychology*, 38, 615-630.

\*Martin, C.L., & Ruble, D.N. (2009). Patterns of gender development. *Annual Review of Psychology*, 61, 353-381.

\*Kim, J.L., Sorsoli, C.L., Collins, K., et al. (2007). From sex to sexuality: Exposing the heterosexual script on primetime network television. *Journal of Sex Research*, 44, 145-157.

\*Ward, L.M. (2016). Media and sexualization: State of empirical research, 1995-2015. *Journal of Sex Research*, 53, 560-577.

### **November 12: Sex, Gender, and Health**

Hartung, C. M., & Lefter, E. K. (2019). Sex and gender in psychopathology: *DSM-5* and beyond. *Psychological Bulletin*, 145, 390-409.

Fredrickson, B., & Roberts, T. (1997). Objectification theory: Toward understanding women's lived experiences and mental health risks. *Psychology of Women's Quarterly*, 21, 173-206.

Egan, S.K. & Perry, D.G. (2001). Gender identity: A multidimensional analysis with implications for psychosocial adjustment. *Developmental Psychology*, 37, 451-463.

Roberts, A.L., Rosario, M., Corliss, H.L., Koenen, K.C., & Austin, S.B. (2012). Childhood gender nonconformity: A risk indicator for childhood abuse and posttraumatic stress in youth. *Pediatrics*, 129, 410-417.

Coates, S. W. (2008). Intervention with preschool boys with gender identity issues. *Neuropsychiatrie de L'enfance et de L'adolescence*, 56, 392-397.

\*Salk, R. H., Hyde, S. J., & Abramson, L. Y. (2017). Gender differences in depression in representative national samples: Meta-analyses of diagnoses and symptoms. *Psychological Bulletin*, 143, 783-822.

\*Hyde, J.S., Mezulis, A.H., & Abramson, L.Y. (2008). The ABCs of depression: Integrating affective, behavioral, and cognitive models to explain the emergence of the gender difference in depression. *Psychological Review*, 115, 291-313.

- \*Fletcher-Jansen, E. (Ed.) (2009). *The neuropsychology of women*. New York: Springer.
- \*Mendelsohn, M.E., & Karas, R.H. (2005). Molecular and cellular basis of cardiovascular gender differences. *Science*, *308* (5728), 1583-1587.
- \*Read, J.G., & Gorman, B.K. (2006). Gender inequalities in US adult health: The interplay of race and ethnicity. *Social Science and Medicine*, *62*, 1045-1065. Relatedly, see following for needed changes to Table 8:
- \*Read, J.G., & Gorman, B.K. (2006). Erratum to “Gender inequalities in US adult health: The interplay of race and ethnicity” [Social Science & Medicine, *62* (2006) 1045-1065]. *Social Science and Medicine*, *62*, 3197-3198.
- \*Zahn-Waxler, C., Shirtcliff, E.A., & Marceau, K. (2008). Disorders of childhood and adolescence: Gender and psychopathology. *Annual Review of Clinical Psychology*, *4*, 275-303.
- Note.* For a more basic perspective, with implications for and beyond health, see:
- \*Taylor, S.E., Klein, L.C., Lewis, B.P., Gruenewald, T.L., Gurung, R.A.R., & Updegraff, J.A. (2000). Biobehavioral responses to stress in females: Tend-and-befriend, not fight-or-flight. *Psychological Review*, *107*, 411-429.

### November 19: Sex Similarities

- Hyde, J.S. (2014). Gender similarities and differences. *Annual Review of Psychology*, *65*, 373-398.
- Zell, E., Krizan, Z., & Teeter, S.R. (2015). Evaluating gender similarities and differences using metasynthesis. *American Psychologist*, *70*, 1020.
- \*Ferriman, K., Lubinski, D., & Benbow, C. P. (2009). Work preferences, life values, and personal views of top math/science graduate students and the profoundly gifted: Developmental changes and gender differences during emerging adulthood and parenthood. *Journal of Personality and Social Psychology*, *97*, 517-532.
- \*Halpern, D.F., Benbow, C.P., Geary, D.C., et al., (2007). The science of sex differences in science and mathematics. *Psychological Science in the Public Interest*, *8*, 1-51.
- \*Voyer, D., & Voyer, S.D. (2014). Gender differences in scholastic achievement: A meta-analysis. *Psychological Bulletin*, *140*, 1174-1204.

### November 26: Transgenderism and Gender Diversity

- Tate, C.C., Youssef, C.P., & Bettergarcia, J.N. (2014). Integrating the study of transgender spectrum and cisgender experiences of self-categorization from a personality perspective. *Review of General Psychology*, *18*, 302-312.
- Bockting, W.O. (2014). Transgender identity development. In D.L. Tolman & L.M. Diamond (Eds.), *Handbook of sexuality and psychology* (Vol. 1, pp. 739-758). Washington, DC: American Psychological Association.
- Manzouri, A., & Savic, I. (2019). Possible neurobiological underpinnings of homosexuality and gender dysphoria. *Cerebral Cortex*, *29*, 2084-2101.
- Robles, R., Fresán, A., Vega-Ramírez, H., Cruz-Islas, J., Rodríguez-Pérez, V., Domínguez-Martínez, T., & Reed, G. M. (2016). Removing transgender identity from the classification of mental disorders: A Mexican field study for ICD-11. *Lancet Psychiatry*, *3*, 850-859.
- Meyer, I.H., Brown, T.N.T, Herman, J.L., Reisne, S.L., & Bockting, W.O. (2017). Demographic characteristics and health status of transgender adults in select US regions: Behavioral Risk Factor Surveillance System, 2014. *American Journal of Public Health*, *107*, 582-589.
- Hyde, S. S., Bigler, R.S., Joel, D., & Tate, C.C. (2019). The future of sex and gender in psychology: Five challenges to the gender binary. *American Psychologist*, *74*, 171-193.
- Zucker, K. J. (2019). Adolescents with gender dysphoria: Reflections on some contemporary clinical and research issues. *Archives of Sexual Behavior*. doi.org/10.1007/s10508-019-01518-8
- \*De Vries, A.L.C., Klink, D., & Cohen-Kettenis, P.T. (2016). What the primary care pediatrician needs to know about gender incongruence and gender dysphoria in children and adolescents. *Pediatric Clinics of North America*, *63*, 1121-1135.
- \*Day, J.K., Fish, J.N., Perez-Brumer, A., Hatzenbuehler, M.L., & Russell, S.T. (2017). Transgender youth substance use disparities: Results from a population-based sample. *Journal of Adolescent Health*, *61*, 729-735.

### December 3: Intersectionality and More Holistic Understandings

- Stewart, A.J., & McDermott, C. (2004). Gender in psychology. *Annual Review of Psychology*, *55*, 519-544.
- Bowleg, L. (2012). The problem with the phrase *Women and Minorities*: Intersectionality—an important theoretical framework for public health. *American Journal of Public Health*, *102*, 1267-1273.
- Borrell, L. N. & Lancet, E. A. (2012). Race-ethnicity and all-cause mortality in US adults: Revisiting the Hispanic Paradox. *American Journal of Public Health*, *102*, 836-843.
- Livingston, R. W., Rosette, A. S., & Washington, E. F. (2012). Can an agentic black woman get ahead? The impact of race and interpersonal dominance on perceptions of female leaders. *Psychological Science*, *23*, 354-358.
- \*Cole, E. R. (2009). Intersectionality and research in psychology. *American Psychologist*, *64*, 170-180.

\*Bauer, G. R. (2014). Incorporating intersectionality theory into population health research methodology: Challenges and the potential to advance health equity. *Social Science & Medicine*, 110, 10-17.

**December 10: Wrap-Up**

**FINAL PAPER DUE DURING THE LAST SEMINAR, on DECEMBER 10.**

**On Your Own: What Might Be Missing in Our Understanding?**

\*Tolman, D.L., Bowman, C.P., & Fahs, B. (2014). Sexuality and embodiment. In D.L. Tolman & L.M. Diamond (Eds.), *Handbook of sexuality and psychology* (Vol. 1, pp. 759-804). Washington, DC: American Psychological Association.