**Neurobiology of Autism, Vol 113. International Review of Neurobiology**

**Description:** This volume in the International Review of Neurobiology is a comprehensive overview of the state-of-the-art research into autism pathophysiology. Its chapters cover a wide range of etiologies, from genetics and development to environmental factors. In addition, it discusses key cell and behavioral phenotypes, including cortical and cerebellar phenotypes, as well as language and motor outputs. Finally, this volume's chapters on gene expression in the brain describe how genes may be connected to phenotypes in autism.

- Broad coverage of genetic and cellular phenotypes in autism
- Focused on basic research
- Chapters primarily written by new investigators with a fresh perspective on the biological underpinnings of autism

**Contents:**

- Autism Spectrum Disorder and the Cerebellum
  Esther B. E. Becker and Catherine J. Stoodley

- Contribution of Long Noncoding RNAs (lncRNAs) to Autism Spectrum Disorder Risk
  Brent Wilkinson and Daniel B. Campbell

- Identifying Essential Cell Types and Circuits in Autism Spectrum Disorders
  Susan E. Maloney, Michael A. Rieger, and Joseph D. Dougherty

- Connecting Signaling Pathways Underlying Communication to ASD Vulnerability
  Stephanie Lepp, Ashley Anderson, and Genevieve Konopka

- MET Receptor Tyrosine Kinase as an Autism Genetic Risk Factor
  Yun Peng, Matt Huentleman, Christopher Smith, and Shenfeng Qiu

- Transcriptional Dysregulation of Neocortical Circuit Assembly in ASD
  Kenneth Y. Kwan

- Motor Skill in Autism Spectrum Disorders: A Subcortical View
  Leanne Chukoskie, Jeannine Townsend, and Marissa Westerfield

- Orchestration of Neurodevelopmental Programs by RBFOX1: Implications for Autism Spectrum Disorder
  Brent R. Bill, Jennifer K. Lowe, Christina T. DyBuncio and Brent L. Fogel

- Immune Dysregulation in Autism Spectrum Disorder
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- Autism Susceptibility Genes and the Transcriptional Landscape of the Human Brain
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