

Highlights of *Translational Pediatrics* 2015

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Submitted Dec 01, 2014. Accepted for publication Dec 02, 2014.

doi: 10.3978/j.issn.2305-5839.2014.12.02

View this article at: <http://dx.doi.org/10.3978/j.issn.2305-5839.2014.12.02>

Two special issues on topics of “Metabolism of childhood cancer” and “Studies on genetic diseases for better therapies in pediatrics” will be released early 2015 in *Translational Pediatrics (TP)*. Free submissions on these topics are welcomed to be included to the special issues after standard peer-review process and the guest editors’ final review.

Metabolism of childhood cancer

2015 January issue of *TP* has the focus on metabolism of

childhood cancer organized by Dr. Dinesh Rakheja, Chief of Pediatric Pathology, UT Southwestern Medical Center. Metabolism of childhood cancer like neurodevelopment and medulloblastoma, neuroblastoma, Wilms tumor, and hepatoblastoma are included with contributors from University of North Carolina School of Medicine, Children’s Hospital of Philadelphia, Paracelsus Medical University, University of Texas, Southwestern Medical Center, Texas Children’s Hospital and University of Texas Southwestern Medical Center (*Table 1*). Hopefully, it will

Table 1 Topics included in the January issue of *Translational Pediatrics*, with focus on “Metabolism of childhood cancer” (Guest editor: Dr. Dinesh Rakheja, Chief of Pediatric Pathology, UT Southwestern Medical Center, Texas, USA)

Article type	Contributors	Institutions	Topic
Preface	Dinesh Rakheja	UT Southwestern Medical Center, Texas, USA	Metabolism of childhood cancer
Review article	Timothy R. Gershon	University of North Carolina School of Medicine, USA	Energy metabolism in neurodevelopment and medulloblastoma
Review article	Michael D. Hogarty	Children’s Hospital of Philadelphia, USA	Polyamine metabolism in neuroblastoma
Review article	Barbara Kofler	Paracelsus Medical University, USA	Alteration of mitochondrial energy metabolism in neuroblastoma and Wilms tumor
Review article	Liem Nguyen, Hao Zhu	University of Texas Southwestern Medical Center, USA	Lin28/let-7 axis and metabolism: implications for hepatoblastoma and Wilms tumor
Review article	Angshumoy Roy, Milton Finegold	Texas Children’s Hospital, USA	Liver tumors in children with metabolic disorders
Review article	Ajla Wasti, Ralph J. DeBerardinis	University of Texas Southwestern Medical Center, USA	Ewing sarcoma metabolism: beyond glycogen storage
Editorial	Hiroo Uchida, MD, PhD	Saitama Children’s Medical Center, Saitama, Japan	Urokinase versus VATS in empyema
Editorial	Miguel Castell	Miami Children’s Hospital, Jackson Memorial Hospital, University of Miami, Miami, Florida, USA	Initial CT imaging for kidney stone
Editorial	Walter L. Strohmaier	Department of Urology and Pediatric Urology, Klinikum Coburg, Coburg, Germany	Initial CT imaging for kidney stone

Table 2 Special issue on “Studies on genetic diseases for better therapies in pediatrics” guest edited by Dr. Zhanhe Wu, The Children’s Hospital at Westmead, and Prof. Jennifer A. Byrne, Children’s Cancer Research Unit, Kids Research Institute, Australia

Article type	Contributors	Group	Topic
Foreword	David Sillence	The University of Sydney	Foreword
Preface	Zhanhe Wu, Jennifer A. Byrne	CHW, Children’s Cancer Research	Preface
Original article	Dale Wright, Louise Carey	Cyto, WSGP; CHW	Genetic studies for investigation of hydatidiform moles
Review article	Carol Siu (SCHN)	Princess Margaret Hospital, HK	Genetic diagnosis of autism spectrum disorders
Review article	Bing Yu	RPAH	Somatic mutation analysis in targeted cancer therapy
Review article	Amanda Dixon-McIver	IGENZ Ltd, New Zealand	emerging technologies in the detection of paediatric leukaemia
Original article	Kathy Hardy	Cyto Labs Pty Ltd	1st trimester miscarriage: 4 decades of study
Review article	Nisha Singh	RNSH	Genomic diversity in myeloproliferative neoplasms: focus on myelofibrosis
Review article	Sally Byatt	POWH, CHW	Recent insights into paediatric leukaemia associated with down syndrome
Review article	Kaustuv Bhattacharya	WSGP; CHW	Glycogen storage diseases
Review article	Moh-Ying Yip	POWH; SEALS Genetics Laboratory	Autosomal ring chromosomes in human genetic disorders
Review article	Varsha Tembe	Westmead Millennium Institute	Cross talk between miRNA and coding genes in melanoma
Review article	Robyn Jamieson, Mr. Benjamin Nash	CHW	The retinal dystrophies and genomic applications in diagnosis
Case report	Prof. Daniel Catchpoole	CHW	How biobanks support translational research in paediatrics—A case study
Review article	Prof. Jennifer Byrne, Dr. Federica Saletta	Children’s Cancer Research	Genetic causes of cancer predisposition in children and adolescents
Review article	Huai L. Feng, Jie Qiao	Peking University Third Hospital; New York Hospital Queens	Pending

benefit researchers interested in metabolism of cancer in unique view of childhood cancer. Further updates in the area with more topics to be included will be provided by *TP*.

Studies on genetic diseases for better therapies in pediatrics

Australia researchers Dr. Zhanhe Wu (The Children’s Hospital at Westmead) and Prof. Jennifer A. Byrne (Kids Research Institute) are invited to organize a special issue on “Studies on genetic diseases for better therapies in pediatrics”

with the focus on genetic studies in cancer and non-cancer diseases (*Table 2*). Prof. David Sillence will also contribute to this issue by introducing the history and advances of genetic studies. This special issue includes researchers mostly from research groups of Asia and Australia. It will be a thorough edition on genetic diseases study and will include more various regions in the future updated edition.

Dr. Zhanhe Wu, cooperating with Prof. John Christodoulou, also edited a special issue on “Genomic studies of pediatrics”, published in April 2014 of *TP* (1). The issue receives warm welcomes among genomic researchers. Since *TP* is open accessed, full articles are accessible via *TP*

website of <http://www.thetp.org/issue/view/179>.

Acknowledgements

Disclosure: The author declares no conflict of interest.

Cite this article as: Zhong NQ. Highlights of *Translational Pediatrics* 2015. *Ann Transl Med* 2014;2(12):130. doi: 10.3978/j.issn.2305-5839.2014.12.02

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1. Translational Pediatrics April 2014 (Genomic studies of pediatrics). Available online: <http://www.thetp.org/issue/view/179>