



THE CHILDREN'S HOSPITAL
ZHEJIANG UNIVERSITY SCHOOL OF MEDICINE

FOR CHILDREN'S HEALTH

The Children's Hospital of Zhejiang University School of Medicine (ZUCH), established 70 years ago, is the oldest and largest Grade-A Tertiary children's hospital in Zhejiang Province and has over 2,800 employees and 1,417 beds. It is one of the two children's hospitals in China that has three national discipline platforms, namely the National Clinical Research Center for Child Health, the National Children's Regional Medical Center, and the National Key Discipline—Pediatrics. The hospital's neonatology, pediatric critical care, pediatric gastroenterology, and pediatric respiratory are national key clinical specialties in the country:

(1) The Department of Neonatology built the first and most standardized neonatal intensive care unit in China. The survival rate of *extremely-low-birth-weight babies* is more than 80%, with a minimum survival gestational age of 24 weeks, and a minimum survival birth weight of 550 g.

(2) The Department of Pediatric Critical Care is the first to apply extracorporeal membrane oxygenation (ECMO) in China, which once set an ECMO record for the minimum age and minimum weight in Asia. The survival rate of children's fulminant myocarditis is 85.7%.

(3) The Department of Birth Defects and Rare Diseases first created standardized diagnosis and treatment techniques based on tandem mass spectrometry to screen 26 congenital and hereditary diseases for newborns in China. Moreover, the department has assembled the world's largest blood biobank, with more than 9 million specimens.

(4) The Department of Pediatric Endocrinology and Metabolism has been taking the lead in establishing China's standards and models for the prevention and control of childhood obesity and metabolic diseases in many years.

The department also outperformed its Chinese peers in terms of the accuracy of diagnosis and the efficiency of treatment of childhood diabetes and sexual development disorders.

(5) The Department of Pediatric Hematology and Oncology is one of the first organizations in the country that have studied the comprehensive treatment of pediatric leukemia and solid tumors. It has developed more than 10 strains of monoclonal antibodies and owned the intellectual property rights. It is a pioneer for CART-cell immunotherapy.

(6) The Department of Pediatric Gastroenterology has been applying pediatric gastroscopy and colonoscopy since 1985, demonstrating excellence on the research of functional gastrointestinal diseases, *Helicobacter pylori* infection, and gut microbiota while showcasing the strength of minimally invasive gastrointestinal endoscopy.



(7) The Department of Pediatric Respiratory is adept at clinical research on the diagnosis and treatment of pediatric *Mycoplasma pneumoniae* infection, bronchial asthma, pediatric endoscopy, and complex airway management.

(8) The Department of Pediatric Surgery is specialized in interventional treatment of congenital heart diseases and complex pre-cardiac surgery for infants. It is the first in China to carry out minimally invasive laparoscopic surgery for children and now it ranks first in the country in terms of the number of surgical cases performed in using the fourth-generation da Vinci surgical system.

Relying on Zhejiang University, ZUCH has several national scientific research platforms, such as the National Base for International Science and Technology Cooperation for the Diagnosis and Treatment of Birth Defects, the International Joint Laboratory of Hereditary Birth Defects, and the National Stem Cell Clinical Research Institute. ZUCH is committed to carrying out international academic exchanges and it has established substantial collaboration with more than 10 internationally renowned children's hospitals.

In 2019, ZUCH established a National Clinical Research Center for Child Health and a National Children's Regional Medical Center in China. ZUCH has built a collaborative system of pediatric medical care, relying on Zhejiang, however, covering East China and radiating across the country. We are looking for talents in clinical medicine, medical technology, and basic research. Candidates should be innovators and leaders, with worldwide academic reputation. If you are interested in the ZUCH, please send your CV to ncrch@zju.edu.cn. These positions are available throughout the year. Please feel free to contact us at any time. You could also learn more by visiting our website: <http://www.zjuch.cn>.

