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Wilms Cancer Foundation Reinforces Commitment to Global Childhood Kidney Cancer Research Following International Paediatric Renal Tumours Biology Conference in London

Specialist international scientific meeting brings together leading researchers and clinicians exploring Wilms tumor biology, molecular discoveries, precision medicine and the future of pediatric kidney cancer treatment

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The Wilms Cancer Foundation (WCF) is pleased to reflect on its participation in the 13th International Paediatric Renal Tumours Biology Conference, held October 11–13, 2026, at the Francis Crick Institute in London, United Kingdom.

The specialist scientific meeting brought together leading international researchers, pediatric oncologists, molecular biologists and clinical specialists dedicated to improving the understanding, diagnosis and treatment of Wilms tumor and other childhood kidney cancers.

Hosted by the UK Renal Tumour UMBRELLA PLUS team in collaboration with the International Society of Paediatric Oncology Renal Tumour Study Group (SIOP-RTSG) and the Children's Oncology Group Renal Tumour Committee (COG-RTC), the conference represented an important opportunity for scientific exchange and the development of future international research collaborations.

Exploring the Next Generation of Wilms Tumor Research

The conference focused on some of the most significant areas of contemporary pediatric renal tumor research, including molecular genetics, tumor development, cancer evolution, emerging biomarkers, risk stratification and innovative approaches to treatment.

Scientific themes included advances in single-cell biology, liquid biopsy technologies, artificial intelligence and machine learning, alongside discussions surrounding developmental therapeutics and the biological characteristics of Wilms and non-Wilms renal tumors.

These areas of investigation are particularly important for understanding why some children respond successfully to established therapies while others experience aggressive disease, treatment resistance or relapse.

Improving biological understanding may ultimately support the development of more precise treatment strategies, allowing clinicians to intensify treatment when necessary while reducing unnecessary toxicity for children with lower-risk disease.

Connecting Scientific Discovery with Patients and Families

For the Wilms Cancer Foundation, engagement with specialist international scientific meetings is an important part of connecting emerging research with the practical information needs of families, survivors and healthcare professionals.

The Foundation remains committed to helping make complex scientific developments understandable and accessible through its expanding educational programmes, digital resources and international awareness initiatives.

WCF's Global Wilms Tumor Initiative™, International Wilms Tumor Knowledge Index™ and WCF WebApp™ provide platforms through which evidence-based information about childhood kidney cancer can be made available to audiences across different countries and languages.

Strengthening International Research Relationships

The conference brought together specialists associated with major international research networks, including the SIOP Renal Tumour Study Group and the Children's Oncology Group.

The opportunity for engagement across these scientific communities is particularly valuable in the field of pediatric kidney cancer, where international cooperation, shared clinical knowledge and coordinated research programmes are essential to investigating rare diseases and developing improved treatments.

WCF's international strategy places considerable importance on building relationships between patient advocacy organizations, academic institutions, research groups and healthcare professionals.

By participating in specialist scientific meetings, the Foundation aims to help bridge the gap between laboratory research, clinical advances and the lived experiences of children and families affected by Wilms tumor.

Supporting the Future of Pediatric Kidney Cancer Care

Although treatment outcomes for many children diagnosed with Wilms tumor have improved considerably over recent decades, substantial challenges remain for children with high-risk disease, metastatic cancer, relapse and long-term treatment-related health complications.

Continued investigation into the biological mechanisms underlying these challenges remains essential.

The Wilms Cancer Foundation welcomes the continued work of the international research community and looks forward to supporting greater awareness, educational outreach and collaboration surrounding advances in childhood kidney cancer research.

The Foundation's participation in the London conference reflects its ongoing commitment to ensuring that scientific progress translates into meaningful improvements in information, support and ultimately treatment outcomes for children worldwide.

About the Wilms Cancer Foundation

The **Wilms Cancer Foundation** is an international childhood kidney cancer organisation dedicated to improving awareness, education, support, research communication and global collaboration for children and families affected by Wilms tumor.

Through the **Global Wilms Tumor Initiative™** and its international programmes, WCF works to expand access to trusted information, strengthen patient and caregiver education, support healthcare professional engagement and address inequalities in childhood kidney cancer outcomes worldwide.

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