OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

MED MEDIZINISCHE FAKULTÄT

Forschungsbericht 2014

Institut für Humangenetik

INSTITUT FÜR HUMANGENETIK

Leipziger Str. 44, 39120 Magdeburg
Tel. +49 (0)391 67 15062, Fax +49 (0)391 67 15066
martin.zenker@med.ovgu.de

1. Leitung

Prof. Dr. Martin Zenker

2. Hochschullehrer

PD Dr. Ilse Wieland

3. Forschungsprofil

Neurogenetik

- X-chromosomal erbliche geistige Retardierung
- Molekulargenetische Analyse neuromuskulärer Erkrankungen

Tumorgenetik

- Zytogenetische und molekularzytogenetische Charakterisierung von Leukämien
- Genkartierung ausgewählter genetischer Syndrome
- Molekulargenetische Analyse der ursache bei familiärer Spalthand-/Spaltfussfehlbildungen

4. Forschungsprojekte

Projektleiter: apl. Prof. Ilse Wieland
Kooperationen: Universitätskinderklinik; Universitätsmedizin Greifswald
Förderer: Industrie; 01.12.2014 - 01.12.2015

Molekulargenetische Untersuchung somatischer Mosaike

Die Entstehung molekulargenetischer somatischer Mosaike ist ein bekannter Mechanismus bei der Tumorentstehung und Progression. Bei einer Reihe viel seltener auftretender Krankheitsbilder wurden somatische Mosaike zwar postuliert, jedoch wurde erst durch die Entwicklung neuer Technologien ein Nachweis der zugrunde liegenden Mutationen und Mechanismen ermöglicht. Im Rahmen dieses Projekts untersuchen wir bei Patienten des *German Registry for Congenital Hyperinsulinism* die molekulargenetischen Ursachen spezifisch der fokalen Form des kongenitalen Hyperinsulinismus.

5. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

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