# Peroxisomal leukodystrophy

**Peroxisomal leukodystrophies** are leukodystrophies, that are caused by a malfunction of peroxisomes[1], subcellular organelles involved in many metabolic pathways - the formation and degradation of hydrogen peroxide (catalase), fatty acid oxidation, cholesterol and dolichol synthesis, etc.[2]

Peroxisomal disorders can be divided into two categories:

- **disorder of peroxisomal biogenesis** − typical representatives are Zellweger syndrome and neonatal adrenoleukodystrophy
- **defects of individual** peroxisome enzymes − representative is X-linked adrenoleukodystrophy.[1]

## Links

### Related articles

- Peroxisome
- Peroxisomal disease
- Leukodystrophy
- X-linked adrenoleukodystrophy
- Neonatal adrenoleukodystrophy
- Zellweger syndrome

### External links

- United Leukodystrophy Foundation, Inc. (https://ulf.org/)

### Reference


1. GOETZ, Christopher G – GOETZ, Christopher G. *Textbook of clinical neurology.* 3. edition. Saunders Elsevier, 0000. 0 pp. ISBN 1-4160-3618-0.
2. COOPER, Geoffrey M. *NCBI* [online]. [cit. 2011-12-07]. <https://www.ncbi.nlm.nih.gov/books/NBK9930/>.