

**Maple Syrup Urine Disease (MSUD)** is an inherited disorder affecting an estimated 1:190,000 births in which the body is unable to properly process branched-chain amino acids. The condition is characterized by poor feeding, vomiting, lethargy, and developmental delay. Depression, anxiety, and learning disabilities are common. If untreated, MSUD can result in seizures, coma, and death. One \$143,970 grant or two \$71,985 grants are available. We seek proposals which will address one of the following objectives:

- Technologies aimed at enabling in-home monitoring of branched-chain amino acid levels,
- Applied research leading to improvements in quality of life of MSUD patients including but not limited to improvements in metabolic formulas and treatment of cognitive dysfunction,
- Improved therapies and projects which may potentially lead to a cure of MSUD.

\*Please submit a proposal for the total amount of \$143,970. The ODC may choose to fund two awards at \$71,985 each, at which point we will request a revised work plan and budget.