The University of Queensland’s School of Biomedical Sciences is making ground-breaking advances in modern medical science and providing students with the theoretical and practical skills for an exciting career in academia and industry.

Our innovative research encompasses the research spectrum from basic discovery through translational pathways to medical solutions, including:

- Investigation of cellular processes such as protein trafficking, cell signalling and organelle function.
- Study of how the dysregulation of bodily processes can cause serious human disorders such as infertility, Alzheimer’s disease and autism.
- Musculoskeletal and neuromotor analyses to improve whole-body movement performance.
- Novel approaches to heal conditions such as spinal injury, motor neuron disease and cancer.

Currently available as fully-quantitated neurotransmitters:

- 3,4-Dihydroxymandelic acid
- 3,4-Dihydroxyphenylacetic acid
- 3,4-Dihydroxyphenylalanine
- 3,4-Dihydroxyphenylglycol
- 3-Hydroxyanthranilic acid
- 3-Hydroxykynurenine
- 3-Meth-4-hydroxyphenylglycol
- 3-Methoxytyramine
- 4-Aminobutyric acid
- 5-Hydroxyindoleacetic acid
- 5-Hydroxytryptophan
- 5-Hydroxytryptophol
- 5-Methyltetrahydrofolic acid
- Acetylcholine
- Adenosine
- Agmatine
- Alanine
- Anserine
- Arginine
- Asparagine
- Aspartate
- B-Alanine
- N-Acetylputrescine
- N-Acetylserotonin
- Biotin
- Betaine
- Carnosine
- Choline
- Citrulline
- Cysteic acid
- Cysteine
- Dimethyl glycine
- Dihydroxybenzoic acid
- Dopamine
- Epinephrine
- Ethanolamine
- Folic Acid
- Glucose
- Glutamate
- Glutamine
- Glutathione
- Glycine
- Histamine
- Histidine
- Homocysteic acid
- Homocysteine
- Homoserine
- Homovanillic acid
- Hypotaurine
- Kynurenic acid
- Kynurenine
- Kyotorphin
- Leucine
- Lysine
- Leucine/isoleucine
- Methionine
- Nicotinamide
- Neopterin
- Norepinephrine
- Normetanephrine
- Octopamine
- Ornithine
- Pantothenic acid (B5)
- Phenethylamine
- Phenylalanine
- Phosphatidic acid
- Proline
- Putrescine
- Pyridoxine
- Riboflavin
- Serine
- Serotonin
- Spermidine
- Spermine
- Synephrine
- Taurine
- Thiamine
- Threonine
- Tryptamine
- Tryptophan
- Tyramine
- Tyrosine
- Valine
- Vanillylmandelic acid
- Vitamin B12

Also currently available as fully-quantitated short-chain fatty acids and metabolites

- Acetic acid
- Propionic Acid
- Isobutyric Acid
- Butyric Acid
- 2-methylbutanoic acid
- Valeric Acid
- 3-methyl-valeric acid
- hexanoic acid
- 3-OH-butric acid
- Acetoacetate
- 4-methylvaleric acid
- Isovaleric acid

Contact

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