

Your Project Leader: Innovative and Experienced

Rick Green, Ph.D **Director of Technology**



Dr. Green's responsibilities include developing lab and pilot-scale processes for extraction and purification of proteins, oils, starches, and secondary plant metabolites such as polyphenols. These products/processes are developed for POS clients for use in products such as

foods, functional foods, nutraceuticals, cosmetics and feeds. Dr. Green has experience in unit operations involving solvent extraction, centrifugation, ultrafiltration and drying technologies, as well as in food product development.

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Nelson Q. Tang, Ph.D. **Senior Scientist**



Dr. Tang specializes in proteins and extraction and purification of bio-active components. This expertise covers a wide range of areas including, 1) extraction, isolation and purification of proteins from soybean, corn, canola and whey,

2) oil and fat processing from oil-bearing seeds,

butter and biomass, 3) extraction and purification of bioactive

compounds from plants for nutraceutical, cosmetic and pharmaceutical applications and, 4) cereal processing including corn wet-milling and starch processing.

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Nick Boguski, B.Sc. **Senior Scientist**



Nick brings industrial based expertise in the area of oils and oilseeds research and development. He specializes in the expelling and extraction of a wide variety of oilseeds, and in the refining, degumming, bleaching, interesterification and deodorization

of edible oils. Nick's project experience covers a broad array of oils-related projects including marine and other edible specialty oils. Nick's clients have come from industries such as nutraceuticals, cosmetics, foods and biotechnology.

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Udaya Wanasundara, Ph.D.
Senior Scientist



Dr. Wanasundara's main focus is on isolation and purification of components from natural products, and on the development of bioseparation methods utilizing centrifugal partition chromatography (CPC) technology and super critical carbon dioxide extraction technologies.

His specialization in lipid chemistry and bioactive compounds enables him to execute projects related to ingredients for nutraceuticals and functional foods, as well as lipid-related projects such as lipid by-product utilization, concentration of fatty acids, chemical and enzymatic esterification, structural modification and oxidative stabilization of lipids. Dr. Wanasundara also specializes in the area of bio-fuels and bio-fuels by-product utilization, and processing of specialty and high PUFA oils.

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Ron Crook
Manager, Custom Processing



Ron Crook has been with POS since 1991, working first as an Operator, then moving into supervision and management of toll processing projects. Ron's years of experience within POS Operations are key factors in enabling him to coordinate the execution of a wide range of toll processing projects. These include extraction, components drying, milling, fractionation, oils refining, and deodorization for industries such as Nutraceuticals, cosmetics, functional foods, and edible oils. In this capacity he is responsible for many aspects of the project, from initial client contact to shipment of the finished goods. Ron also participates in HACCP reviews, GMP compliance and process optimization for toll processing projects. His clients have come from many areas including the nutraceutical, cosmetic, functional foods and/or edible oils industries.

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