

PATENT NUMBER: [4,613,738](#)

TITLE: **Microwave Heating**

Digestion Vessel

APPLICATION(S): Liquefaction of particulate samples through sequential reactions with chemical solutions without removing the sample from the reaction chamber. [Available for Licensing](#)

PATENT NUMBER: [5,382,519](#)

TITLE: **PERIPLASMIC 3':5'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE AND RELATED METHODS FOR PRODUCING AND USING THE SAME**

APPLICATION(S): Medical diagnostics; Medical assay kits; Research reagents [Available for Licensing](#).

PATENT NUMBER: [5,759,798](#)

TITLE: **ASSAYS, TEST KITS, AND BACTERIAL FOR AUTOINDUCERS**

APPLICATION(S): Medical diagnostics [Available for Licensing](#).

PATENT NUMBER: [5,491,084](#) (Jointly owned with Columbia University)

TITLE: **USES OF GREEN FLOURESCENT PROTEIN**

APPLICATION(S): Water quality monitoring; Medical diagnostic kits; Medical assays; Research reagents; Toy industry [Available for Non-Exclusive Licensing](#).

PATENT NUMBER: [5,360,728](#)

TITLE: **MODIFIED APOAEQUORIN HAVING INCREASED BIOLUMINESCENT ACTIVITY (Isolation of Protein)**

APPLICATION(S): Food industry bacterial detection; Research Reagents; Drug Discovery [Available for Non-Exclusive Licensing](#).

PATENT NUMBER: [5,541,309](#)

TITLE: **MODIFIED APOAEQUORIN HAVING INCREASED BIOLUMINESCENT ACTIVITY (DNA Sequence)**

APPLICATION(S): Food industry bacterial detection; Research Reagents; Drug Discovery [Available for Non-Exclusive Licensing](#).

PATENT NUMBER: [7,054,768](#)

TITLE: **METHOD AND SYSTEM FOR SHEAR FLOW PROFILING**

APPLICATION(S): Affords improved diagnostics and product design in any industry or medical device

manufacturer involved with Particle Imaging Velocimetry (PIV). [Available for Licensing](#).

PATENT NUMBER: PENDING

TITLE: **OPTICAL METHOD and SYSTEM for RAPID IDENTIFICATION of MULTIPLE REFRACTIVE INDEX MATERIALS USING MULTISCALE TEXTURE and COLOR VARIANTS**

APPLICATION(S): Rapid, non-destructive, real-time system for identifying and classifying particles with a high-order refractive index. [Available for Licensing](#).

PATENT NUMBER: PENDING

TITLE: **METHODS and APPARATUS FOR UNDERWATER WIRELESS COMMUNICATION**

APPLICATION(S): A low-power, wireless, underwater system to provide communication between manned and unmanned underwater vehicles, divers, or stationary undersea sensors without requiring precise navigational capabilities.

[Available for Licensing](#).

PATENT NUMBER: PENDING

TITLE: **SYSTEMS and METHODS for DETECTING TOXINS IN a SAMPLE**

APPLICATION(S): Provides a means of efficiently testing water and air samples for non-specific toxins in real time with a high degree of specificity.

[Available for Licensing](#).

PATENT NUMBER: PENDING

TITLE: **AUTOMATED TAXONOMIC CLASSIFICATION OF PLANKTON**

APPLICATION(S): An automated technique for identification of phytoplankton in large data sets of plankton images to analyze bloom dynamics, species succession, and spatial and temporal patchiness.

[Available for Licensing](#).

PATENT NUMBER: PENDING

TITLE: **IMAGING FLOW CYTOBOT**

APPLICATION(S): An underwater device combining video and flow cytometry technologies, to identify organisms and quantify the chlorophyll fluorescence associated with each.

[Available for Licensing](#).
