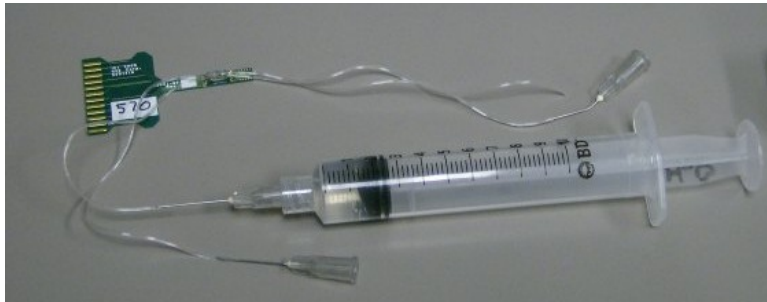


We put the CHIPS into Lab – on – a - Chips

New prototypes available:



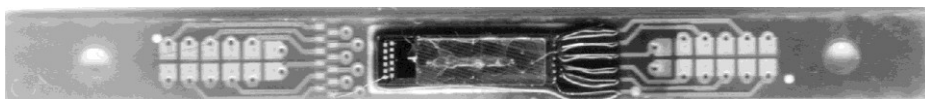
- GMR fluidic chips with standard tubing connections for laboratory use.
- Matching bench top data acquisition system.

Coming later in 2010:

- General purpose magnetoelectrical biosensor test socket.

Planned for 2011:

- Production of commercial prototype magnetic biosensors.



Prototype Magnetoresistive Biosensor chip with integrated microfluidic cover.

Technology Update

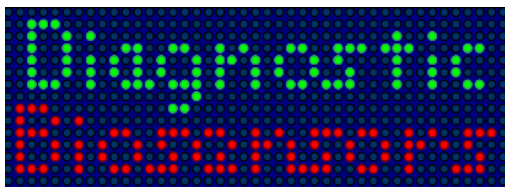
- Silicon to MEMS standard for Lab-on-a-Chip nearing completion. Starting point will be 1.0 mm port pitch.
- Biocompatible sensor encapsulation fabrication process nearing completion, still needs testing.

Diagnostic Biosensors

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Soliciting collaborative development projects

Diagnostic Biosensors is looking for 1 – 5 beta test demonstration sites for its Magnetics based Lab – on – a Chip technology. Projects run from now through 2014.

Technical topics of interest:

- Immuno-magnetic assay for Lab - on - a – Chip
- Magneto-molecular assay for Lab – on – a - Chip
- Magnetic bead counter / analyzer for nanoliter volume
- Microfluidic magnetic susceptometer
- Magnetophoretic flow manipulation / Magnetic bead sorting

What we can provide to collaborators:

- Magnetoresistive sensor chips with fluidic connections
- Microfluidic interface design and fabrication for existing silicon chips that go into a Lab – on – a – Chip cartridge.
- Stand – alone data acquisition system and custom software.
- Underlying software code development.

What we would need from you:

A research and development thrust with complimentary expertise, some internal personnel resources, and (preferably) able to acquire ~\$5,000 of equipment. Students at any level are good, commercial groups are welcome.

Our projects can be held in confidence, or published, depending on the needs of our collaborators.

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