

DIY h^+



TRANSHUMANISM

H+ REVOLUTION



ROADMAP







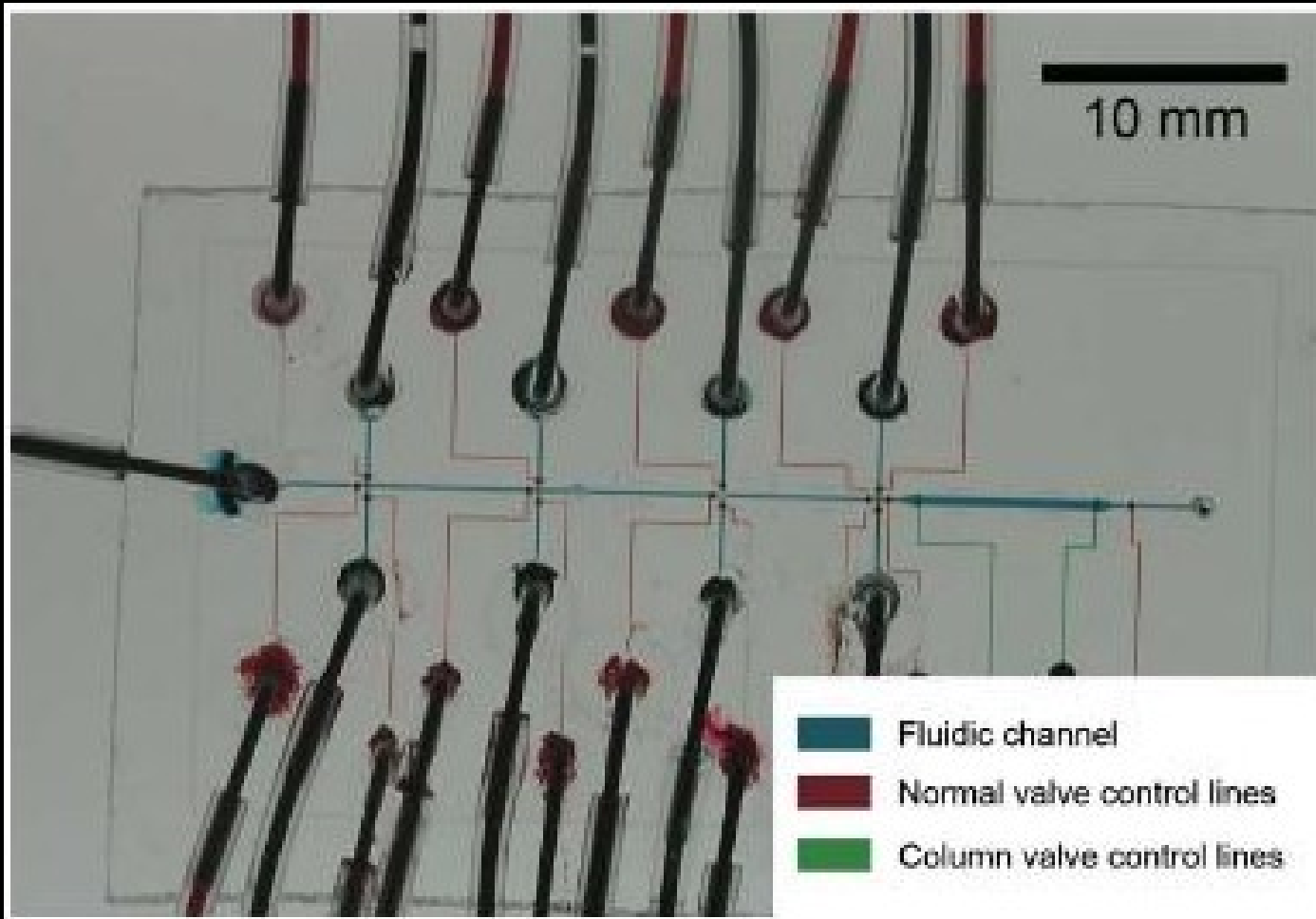




Table 1
Candidate genes for sports doping

Gene/product	System/organ targets	Gene product properties	Physiologic response
ACE	Skeletal muscles	Peptidyl dipeptidase	ACE-D is involved in fast twitch muscles ACE-I seems to correlate with endurance
ACTN3	Skeletal muscle	Actin-binding proteins related to dystrophin	Involved in fast twitch muscles
Endorphins	Central and peripheral nervous systems	Widely active peptides	Pain modulation
EPO	Hematopoietic system	Glycoprotein hormone	Increases RBC mass and oxygen delivery
HGH	Endocrine system	191–amino acid protein	Increases muscle size, power, and recovery
HIF	Hematologic and immune systems	Multisubunit protein	Regulates transcription at hypoxia response elements
IGF-1	Endocrine/metabolic/skeletal muscle	70–amino acid protein	Increases muscle size, power, and recovery by increasing regulator cells
Myostatin	Skeletal muscle	2-subunit protein	Regulates skeletal muscle. Inhibition increases muscle size, power, and recovery.
PPAR-delta	Skeletal muscle and adipose tissue	Nuclear hormone receptor protein	Promotes fat metabolism and increases number of slow twitch fibers
VEGF	Vascular endothelium	Glycosylated disulfide-bonded homodimers	Induces development of new blood vessels

Abbreviations: ACE, angiotensin-converting enzyme; ACTN3, actinin binding protein 3; EPO, erythropoetin; HGH, human growth factor; HIF, hypoxia inducible factor; IGF-I, insulin-like growth factor; PPAR-delta, peroxisome proliferators-activated receptor (delta); VEGF, vascular endothelial growth factor.





ROADMAP

CAD

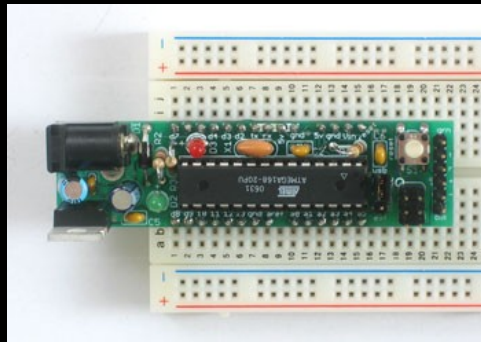
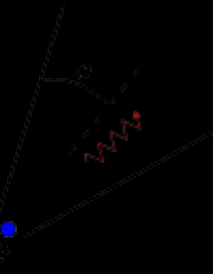
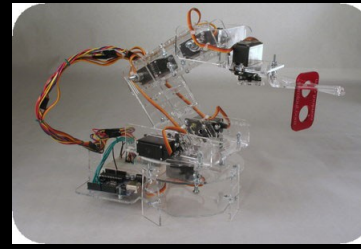
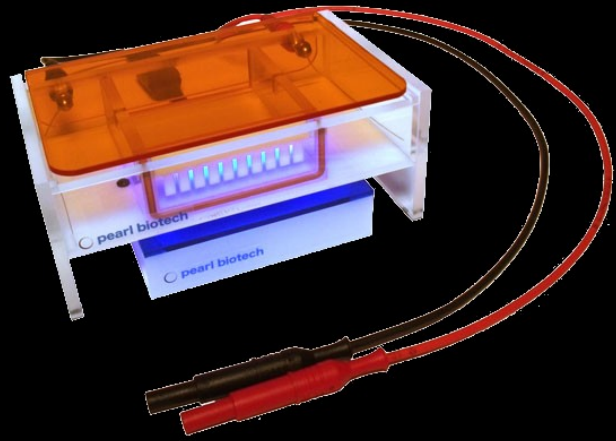
Open Source Hardware (licenses)

Kits

H+/DIYbio/tech co-op?



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Austin Hackerspace



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What do you need from me?

LEGIT FOLLOW-UP SLIDE :-)

**Bryan Bishop <kanzure@gmail.com>
m: 512-203-0507**

<http://heybryan.org/>

irc: #hplusroadmap on freenode

Thank you.

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