

The Declaration of Independence of Myosin II

November 4, 2005

When in the Course of contractile events it becomes necessary for one
When in the Course of human events, it becomes necessary for one

myosin to dissolve the bands which have connected them with an actin filament, and
people to dissolve the political bands which have connected them with another, and

to assume among the power strokes of the others, the separate and equal
to assume among the powers of the earth, the separate and equal

stations to which Nature and Nature's Cell Biology refer, a decent respect to
station to which the Laws of Nature and of Nature's God entitle them, a decent respect to

the adjacent myosins requires that we should define the causes which impel muscles
the opinions of mankind requires that they should declare the causes which impel them

via the separation (in a wiki-based model).
to the separation.

We hold these truths to be self-evident (and justified by two-photon microscopy)
We hold these truths to be self-evident,

that all myosin II molecules are created equal: that they are endowed by their
that all men are created equal, that they are endowed by their

Calcium with certain unalienable rights: that among these are flex, stocasticity,
Creator with certain unalienable Rights, that among these are Life, Liberty

and the pursuit of Binding sites. --That to secure these rights, Models are instituted
and the pursuit of Happiness.--That to secure these rights, Governments are instituted

among Scientists, deriving their predictive power from congruence with the
among Men, deriving their just powers from the consent of the

governed molecules --That whenever any Model becomes destructive to these governed, --That whenever any Form of Government becomes destructive of these

ends, it is the Right of Modelers to alter or to abolish it, and to institute a new ends, it is the Right of the People to alter or to abolish it, and to institute new

Model, laying its foundation on such principles as open-sourcing, and Government, laying its foundation on such principles and

organizing its powers in such an interdisciplinary form, as to them shall seem organizing its powers in such form, as to them shall seem

most likely to effect their Scalability and Applicability. Prudence indeed will most likely to effect their Safety and Happiness. Prudence, indeed, will

dictate that models long established should not be changed for light and dictate that Governments long established should not be changed for light and

transient causes; and accordingly all experience hath shewn, that mankind are transient causes; and accordingly all experience hath shewn, that mankind are

more disposed to simplify, while simplifications are sufferable, than to right more disposed to suffer, while evils are sufferable, than to right

themselves by abolishing the formulae to which they are accustomed. But when themselves by abolishing the forms to which they are accustomed. But when

a long train of abuses of biology and usurpations of physics, pursuing invariably a long train of abuses and usurpations, pursuing invariably

the same Object (a single myosin head), reduces muscles to no more than that the same Object evinces a design to reduce them

under assumptions and Delusions, it is modelers' right, it is their duty, to throw under absolute Despotism, it is their right, it is their duty, to throw

off such a solipsistic pattern of Modeling, and to provide new Parameters for off such Government, and to provide new Guards for

their future development.--Such has been the patient sufferance of these their future security.--Such has been the patient sufferance of these

Modelers; and such is now the necessity which constrains them to alter the Colonies; and such is now the necessity which constrains them to alter their

former Systems of Modeling. The history of the presentation of cutesy myosin heads former Systems of Government. The history of the present King of Great Britain

acting in complete synchrony is a history of repeated injuries to our IQ is a history of repeated injuries

and usurpations of the cross-bridge cycle, all having in direct object the and usurpations, all having in direct object the

establishment of an absolute Tyranny over these coupled but independent establishment of an absolute Tyranny over these

States of contraction. To prove this, let this plain absence of Support be submitted to a States. To prove this, let Facts be submitted to a

candid world.
candid world.

Please tell me why every single animation of myosin contraction makes the heads look like slaves in Roman galley? There's no one standing over them with a whip!

Taking the ship analogy further... you have thousands of spaceships packed in a 3D array with randomly firing rockets and the ships move *en mass* in a constant predictable, incredibly finely tuned manner exactly where they're supposed to go. Without bumping into each other.

So what, since they work together some how, who cares? Well, sometimes not all is well in myofibril land and then what is the "miracle" model of muscle contraction (where everyone is in sync) going to tell you?

Nature royally screwed up their cutesy 50th anniversary edition devoted to the sliding filament theory with yet another BS animation and pea-brained assumptions about the way muscles work.

Feel free to add to this list.

Therefore, I, as the Representative of "OpenContract," at my computer
We, therefore, the Representatives of the united States of America, in General Congress,

Dissembling, appealing to Scientific Progress in the world for the rectitude of our
Assembled, appealing to the Supreme Judge of the world for the rectitude of our

intentions, do, in the Name, and by the Authority of good Biophysics of molecular motors
intentions, do, in the Name, and by Authority of the good People of these Colonies

solemnly publish and declare, That these Coupled Units are, and of Right
solemnly publish and declare, That these United Colonies are, and of Right

ought to be a wiki-model of Free and Independent States of myosin;
ought to be Free and Independent States;

that myosin (and actin) are Absolved from all Allegiance to particular Models
that they are Absolved from all Allegiance to the British Crown,

and the "politics" of biology vs. computer science,
and that all political connection between them and the State of Great Britain, is and

ought to be, totally dissolved; that, as Free and Independent units of a coupled system
ought to be totally dissolved; and that as Free and Independent States,

they have full Power to lever objects, conclude they're too Heavy,
they have full Power to levy War, conclude Peace,

contract Diseases, establish Commerce with neurotransmitters, and do all other Acts
contract Alliances, establish Commerce, and to do all other Acts

and Things which collaborative models of coupled systems have the right to do.
and Things which Independent States may of right do.

And for the support of this Wiki-model, with a firm reliance on the protection
And for the support of this Declaration, with a firm reliance on the protection

of the "Trackback" feature, we mutually pledge to each other our Lives, (such as they are)
of divine Providence, we mutually pledge to each other our Lives,

our Fortunes (I paid \$23.40 for this domain+hosting)
our fortunes

and our Sacred honor (lousy models really tick me off).
and our Sacred honor.

ChrisGaiteri
[insert flourish here]