Reviewer’s report

Title: Exercise training with dietary counselling increases mitochondrial chaperone expression in middle-aged subjects with impaired glucose tolerance

Version: 1 Date: 13 August 2007

Reviewer: Peter Csermely

Reviewer’s report:

General

Authors provide evidence that 2 yrs of exercise training together with dietary counseling induces mitochondrial Hsp expression and reduces oxidative stress in middle-aged subjects with impaired glucose tolerance.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

N.A.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

1. The statement on page 15 “Most studies showing that exercise induced HSP72, have used low force exercises with continuous activity.” Has to be substantiated by appropriate references.
2. The number of total experiments have to be included to figure legends. Error bars are missing from Fig.1.

Discretionary Revisions (which the author can choose to ignore)

N.A.

What next?: Accept without revision

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests.