Reviewer's report

**Title:** An immunohistochemical study of the antinociceptive effect of calcitonin in ovariectomized rats

**Version:** 1  **Date:** 29 July 2008

**Reviewer:** Morten Karsdal

**Reviewer's report:**

This paper is a well-performed study investigating the proposed pain effects of calcitonin, that is highly debated in the literature. The manuscript is well-written straightforward and highly interesting for the field.

Few minor things could be included in the discussion.

1) A discussion on the effects of calcitonin on pain observed in clinical trials of postmenopausal osteoporosis
2) A discussion of potential clinical benefits on pain effects of calcitonin. In particular in light of the proposed effects in osteoarthritis.
3) A discussion on the similarities and dissimilarities between the animal pain model and the clinical pain observed in osteoporosis and osteoarthritis

**Level of interest:** An article of importance 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 am involved in the development of oral calcitonin for osteoporosis and osteoarthritis.