**Internal review charge questions - February 2018**

## AOP Information

* AOP title: Histone deacetylase inhibition leading to testicular toxicity
* Author: Shihori Tanabe, Akihiko Hirose, Takashi Yamada (t-yamada@nihs.go.jp)
* Associated wiki page: <https://aopwiki.org/aops/212>

## Reviewers

**Primary Reviewer (PR):** Name: Dan Villeneuve; OECD Country/Org.: United States;

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Email: GOUEDRAOGO@rd.loreal.com

#### Date review completed:

## Review

**Section 1:**

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| **AOP identifier/Title***Does the name of the AOP follow the right convention (MIE or first KE leading to AO)?* *Does the name of the AOP reflect its content/domain?* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 2:**

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| **Authors***Is it clear who the authors/developers of the AOP are?* *Contact information for one or more corresponding author(s) should be included.* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 3:**

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| **Date of updating***Reviewer should indicate the date stamp on the PDF snapshot under review.* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 4:**

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| **Abstract***Does the abstract concisely describe the main content of the AOP?* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 5:**

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| **Molecular Initiating Event***Is a MIE described? If yes, then:* *Is the MIE description clear and is it biologically plausible?* *Is the MIE described in a way that allows its use in other AOPs?* *Are measurement/prediction methods specified and adequately described/referenced?* *Is the biological context (inc. taxonomic applicability/relevance, level of biological organisation) specified and explained sufficiently?* *Have chemical initiators (prototypical chemicals or chemical features) been identified?* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

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| Key Events*Are the KE descriptions clear on how the events work and are they biologically plausible?* *Are the KEs described in a way that allows their reuse in other AOPs?* *Are measurement methods specified and adequately described/referenced?* *Is the biological context (inc. taxonomic applicability/relevance, level of biological organisation) specified and explained sufficiently?*  |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

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| **Adverse Outcome***Is an AO described? If yes, then:* *Is the AO description clear and is it biologically plausible?* *Is the AO described in a way that allows its use in other AOPs?* *Are measurement methods specified and adequately described/referenced?* *Is the biological context (inc. taxonomic applicability/relevance, level of biological organisation) specified and explained sufficiently?* *Has the regulatory relevance of the AO been described?*  |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 6:**

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| **Key Event Relationships***Are the KERs well described and in a way that allows their use in other AOPs?* *Are the KERs biologically plausible and is there sufficient evidence presented?* *Is the level of empirical support adequately described in accordance with the OECD AOP Handbook?* *Are inconsistencies, uncertainties and level of confidence adequately described?* *Is the quantitative understanding of the KER described?"* *[refer to Tables 2 & 3 in the handbook]* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 7:**

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| **Overall Assessment of the AOP** *Is the domain of applicability of the AOP defined appropriately?* *Is the level of support for essentiality of the KEs adequately described and assessed?* *Has the degree of quantitative understanding of KERs been assessed properly?* *Has consideration been given to the overall weight of evidence for the AOP?* *Are the calls on Overall WoE and Quantitative Understanding supported?* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**Section 8:**

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| **Potential application of the AOP (optional):** *Is any context provided as regards the reason for development or the intended use?* |

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |

**General Observations and Conclusions of the Reviewer**

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| **Reviewers' responses and comments** **PR:****SR1:****SR2:** |

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| **Author response:** |