

**Part 1:** **TITLE, AUTHORS, APPROVALS, etc**

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| **Code assigned:** | **2022.007S** |  |
| **Short title:** Rename one genus and all species in the family to comply with the ICTV-mandated binomial format (*Amarillovirales*: *Flaviviridae*) | | |
|  | | |

**Author(s) and email address(es)**

|  |  |
| --- | --- |
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**Author(s) institutional address(es) (optional)**

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**Corresponding author**

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| Postler TS, Kuhn JH |

**List the ICTV Study Group(s) that have seen this proposal**

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| ICTV *Flaviviridae* Study Group |

**ICTV Study Group comments and response of proposer**

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| The Study Group has reviewed the TP and has made four changes to proposed species names in the revised version of the associated Excel file. |

**ICTV Study Group votes on proposal**

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| **Study Group** | **Number of members** | | |
| **Votes support** | **Votes against** | **No vote** |
| ICTV *Flaviviridae* Study Group | Genus name change: 10  Species name changes: 7-9 | 0  2 | 4  4 |

**Authority to use the name of a living person**

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| --- | --- |
| **Is any taxon name used here derived from that of a living person (Y/N)** | N |

|  |  |  |
| --- | --- | --- |
| **Taxon name** | **Person from whom the name is derived** | **Permission attached (Y/N)** |
|  |  |  |

**Submission dates**

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| --- | --- |
| Date first submitted to SC Chair | May 27, 2022 |
| Date of this revision (if different to above) | November 3, 2022 |

**ICTV-EC comments and response of the proposer**

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**Part 2:** **NON-TAXONOMIC PROPOSAL**

**Text of proposal**

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| N/A |

**Part 3:** **TAXONOMIC PROPOSAL**

**Name of accompanying Excel module**

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| 2022.007S.Uc.v2.Flaviviridae\_1genren\_sprenamed.xlxs |

**Abstract**

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| Here we propose to change the genus name *Flavivirus* to *Orthoflavivirus* to remove current ambiguities regarding the vernacular term “flavivirus”. We further propose to change the names for the species of family *Flaviviridae* following the ICTV request to change all established species names to a now standardized binomial format. |

**Text of proposal**

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| --- | --- |
| |  | | --- | | The family *Flaviviridae* currently includes 89 species assigned to four genera. The name of one of these genera, *Flavivirus*, uses a word stem eponymous with that used for the family name, i.e., “flavi”. The vernacular terms “flavivirus” are “flaviviral” are therefore ambiguous as it is unclear whether these words in various contexts refer to all members of the family or only to those of one of its genera. Because the family *Flaviviridae* is expected to expand considerably in the near future in part due to the discovery of numerous (he)pegiviruses and possibly the more distantly related Jīngmén tick-like viruses and other flavivirus-like entities, it is proposed to abolish the ambiguity by replacing the genus name “*Flavivirus*” with “*Orthoflavivirus*” (which roughly translates to “true flaviviruses” or “flaviruses *sensu stricto*”). Members of that genus would then be referred to as “orthoflaviviruses” – all orthoflaviviruses would be flaviviruses, but not all flaviviruses would be orthoflaviviruses.  In March 2021, the ICTV ratified TaxoProp 2018.001G.R.binomial\_species, which requires all species names to follow a new codified rule:  "A species name shall consist of only two distinct word components separated by a space. The first word component shall begin with a capital letter and be identical in spelling to the name of the genus to which the species belongs. The second word component shall not contain any suffixes specific for taxa of higher ranks. The entire species name (both word components) shall be italicized."  This rule requires most established species names to be changed. Here, we propose to change the names of the species included in family *Flaviviridae* following this rule by adopting binomial species names. The derivation/etymology of these new names is outlined in the co-submitted Excel module. | |

**Supporting evidence**

N/A

**References**

N/A