



InnOscent chromatographic system: An innovative device to revisit aroma analysis and recombination perspectives

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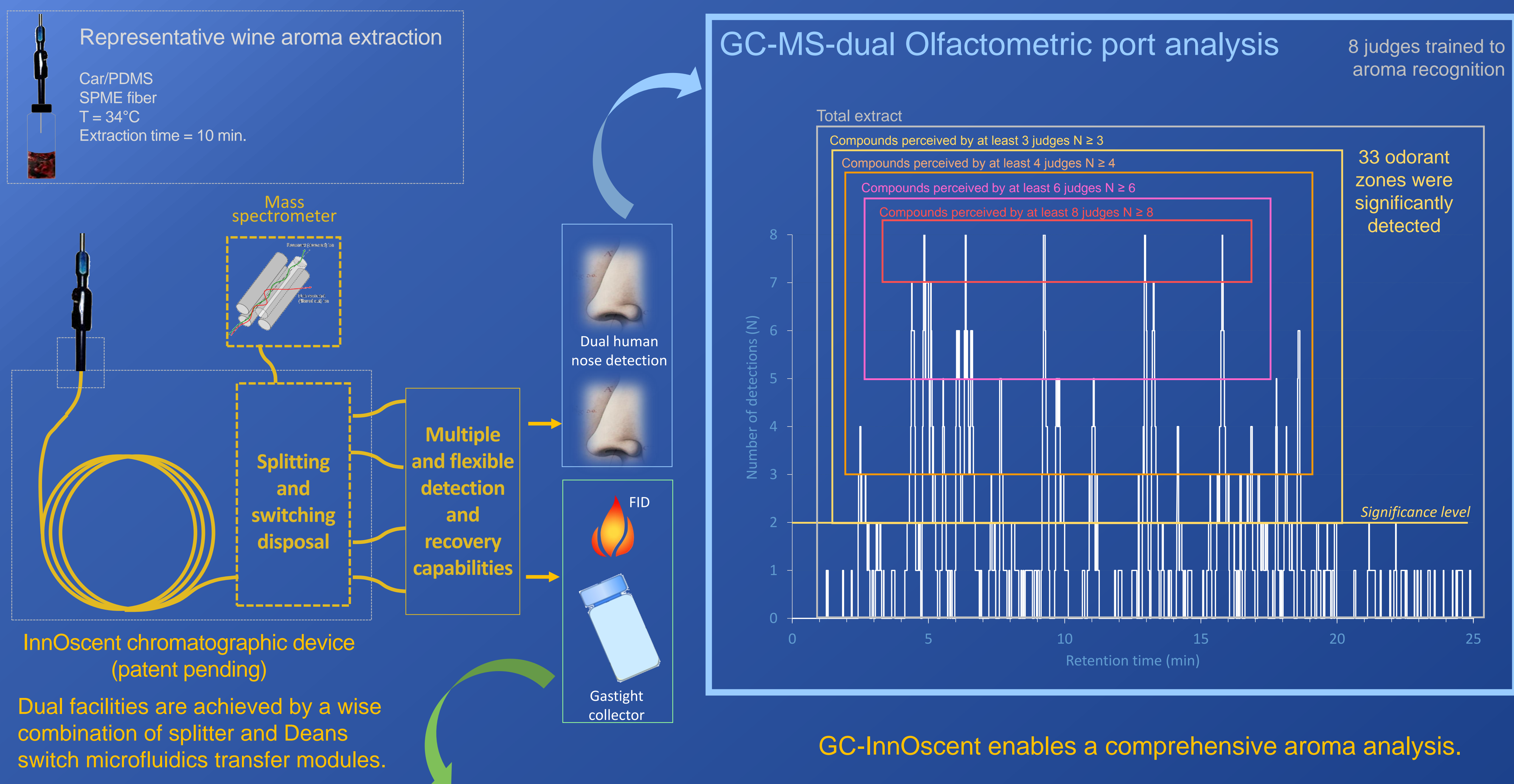
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InnOscent chromatographic system:

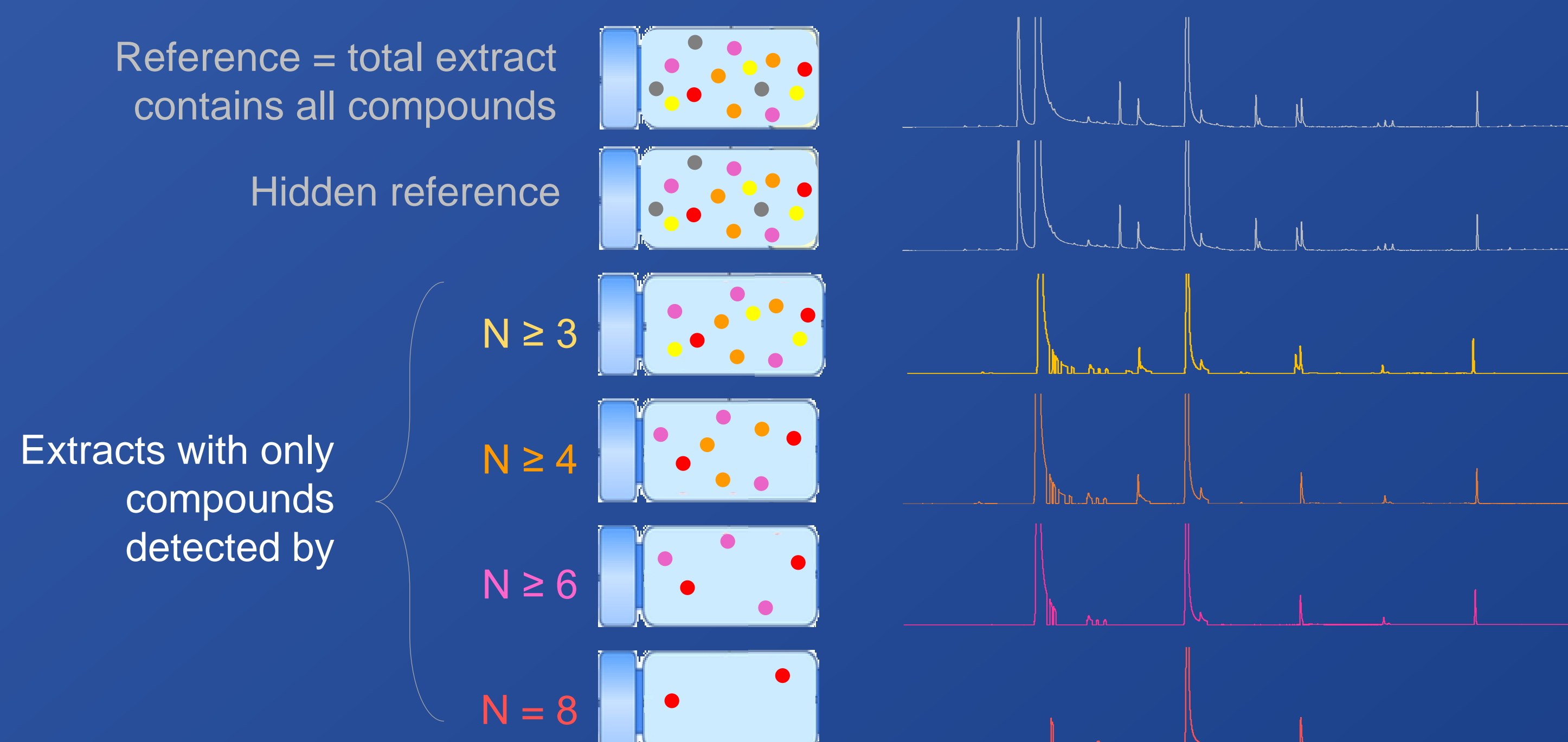
An innovative device to revisit aroma analysis and recombination perspectives

GC-MS-O is very helpful to identify odorants in aromas. However, there is a gap between this individual characterization and the effective contribution of compounds to aromas, notably due various interactions. Thus, many aroma investigations turn to reconstituted models and recombination experiments with chemicals, a valuable but time-consuming approach.

InnOscent device was designed to realize both conventional GC-MS-O analysis and recombination-omission experiments. These capabilities are illustrated hereafter through a wine aroma analysis and contribution of odorants to global aroma was evaluated.

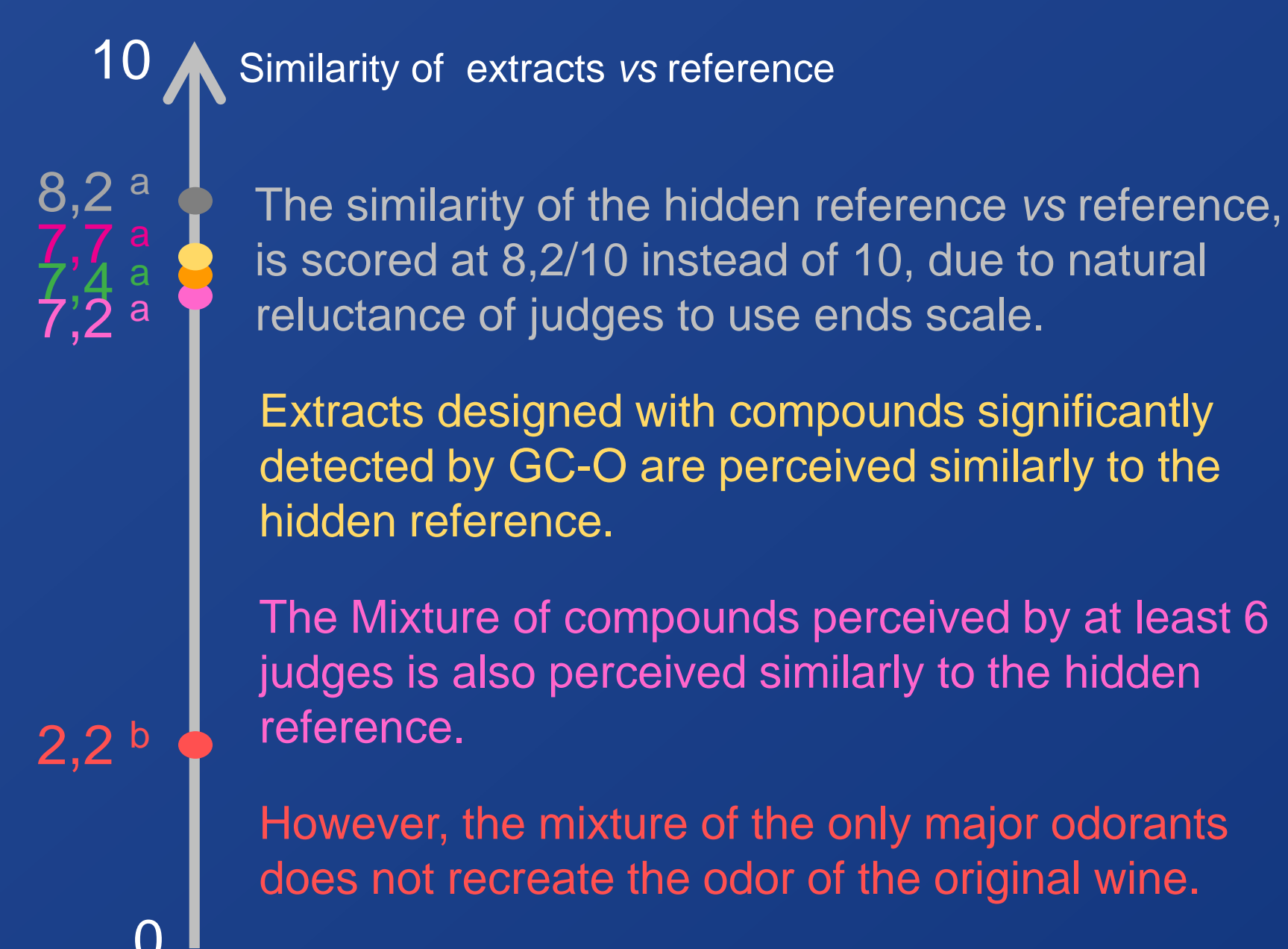


Recovering selective fractions with GC-MS-FID control

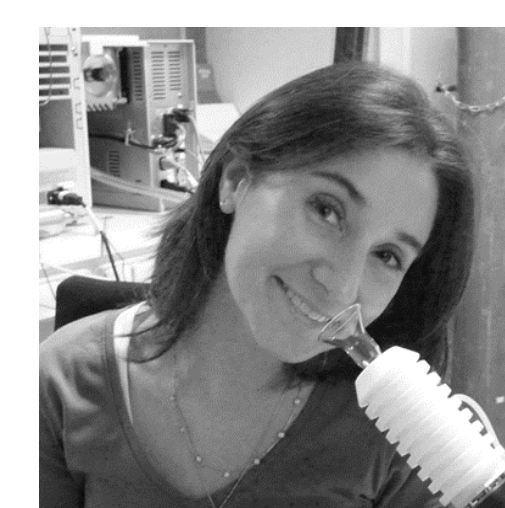


Sensory evaluation of recovered extracts

8 trained judges panel



- ✓ InnOscent device permits to achieve both conventional GC-O analysis and recombination or omission experiments, enabling a comprehensive analysis of aromas.
- ✓ It offers a valuable alternative to current approaches notably those using chemicals and overcome limitations related to identification, quantitation, and commercial availability of compounds.
- ✓ Freeing from chemicals, InnOscent makes it possible to evaluate the contribution of any compound to an overall aroma.



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