IntegenX
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IntegenX met with the SWGDAM Rapid DNA Committee and provided a presentation on the company's RapidHIT 200. The presentation began with an overview of the milestones accomplished by the instrument to include samples analyzed, publications and samples registered in CODIS. The presentation focused on the signal processing pipeline for allele calling. Baseline correction, analytic threshold, stochastic threshold, ladder library and ladder selection were also addressed. The presentation ended with an overview of future development plans.

A question and answer session followed that further addressed ladder library and ladder selection, internal lane standard sizing and its relation to peak sizing prior to allele calling. Detailed discussion on off ladder and off bin designations and definitions resulted from questions addressing locus designations and boundaries.

Below is an edited summary of the questions and answers.

R-DNA Committee (RC): Do you have any issues with communication with FBI, NDIS, SWGDAM?
    IX: No.
RC: What is the status of your Expert System?
    IX: There are no plans to incorporate an Expert System into the RapidHit 200. All data from this instrument must have human interpretation.
RC: Can you describe how your automated allele calling is accomplished?
    IX: Allele calling is accomplished by commercially available software. Ladder matching is followed by peak sizing, bin definition, comparison of peak to bin, calculation of distance peak apex is from center of bin, and assignment of allele call.
RC: How close is your instrument to being ready for a booking station environment?
    IX: We have a new instrument that should be released later this year (2015)
RC: Are you implementing the expanded core loci?
    IX: Yes, Fusion 6C, GlobalFiler, and NGM Select.
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