

## **AMP Clinical Practice Committee Report, 2011**

### **Genetics - Christine Curtis and Siby Sebastian**

Cytogenetic and molecular characterization of cell line reference material for laboratory quality controls, assay development and proficiency surveys. The cell lines would be characterized for a variety of assays (karyotype, FISH, sequencing, array CGH etc). AMP is partnering with CAP Molecular Oncology and CDC's GeT-RM to achieve this. Our initial project is focused on cell lines relevant to molecular hematopathology. We are in discussion with ATCC to characterize their appropriate cell lines.

### **Hematopathology -Jane Gibson and Cyrus Hedvat**

In collaboration with Loren Joseph, creating a commentary discussing the impact of IP generating monopolies for hematopathology assays.

### **Solid Tumors – Neal Lindeman and Loren Joseph**

Guideline on MSI testing has been completed under the leadership of Bill Funkhouser and is in final review at JMD.

Under AMP leadership of Neal Lindeman, AMP, CAP and IASLC are creating practice guidelines for non-small cell lung cancer biomarkers – near completion.

Under AMP leadership of Federico Monzon, AMP, CAP and ASCP are creating guidelines for colorectal carcinoma biomarkers.

Loren Joseph is the AMP representative for developing practice guidelines with the Papanicolaou Society of Cytopathology for pancreaticobiliary cytology.

### **AMP Mutation Nomenclature Database- Fernanda Sabato and Michelle Dolan.**

Have created a prototype for a gene mutation nomenclature resource for AMP members that includes the approved gene symbol, the reference sequence/version, the nucleotide change, amino acid change (protein name), the commonly used/colloquial name and examples of standard nomenclature used for reporting. The prototype had been populated for CFTR and KRAS mutations and is available on the AMP website library. We have issued a call for additional volunteers to contribute to this valuable resource.

### **Whole Genome Amplification Working Group – Jane Gibson**

Have completed a draft of a comprehensive, state-of-the art white paper, which covers current thoughts on next-generation sequencing

and whole genome amplification as well as best practices and quality measures. Will be completed in next few months. Jane will also serve as the AMP representative on a CAP committee for NGS.

International Affairs Working Group – Patrik Vitazka

Established a draft sample exchange program on the AMP website to assist international labs in obtaining samples for lab assay development and validation.

Requests from the CPC

We encourage all AMP members to alert council or appropriate committees when laboratory guidelines or recommendations are opened for public comment.

We encourage AMP members to actively contribute to calls for information from the CPC.