

Disclosure ID: **INV17-092**

Invention Disclosure - CONFIDENTIAL

Title: **UniDec: Universal Deconvolution of Mass and Ion Mobility Spectra - Additional Ion Mobility Calibrations**

Submitted By: **Michael Marty**

Type: **Disclosure**

Stage: **Draft**

Submitted Date: **8/15/2016**

Status: **None**

Brief Summary

Name	Value
(Add brief summary here. Attach abstracts, manuscripts, additional information below at 'Documents' section. See Guidelines for help.):	UniDec is a software package for deconvolution of mass and ion mobility spectra. It was developed while I was a postdoc at the University of Oxford, and the core of the software is copy-written. Since arriving at UA, I have made modifications to the core software to allow for different types of calibrations for converting drift time, measured by ion mobility, into a collision cross section (CCS). Specifically, I've added linear and power law calibrations.
This is Software:	Yes
ITAR Project Related:	N
Banner Covered Study:	N
Voice of the Inventor (One or two sentence description of your vision for the technology):	UniDec is a software package for rapid, robust, and universal deconvolution of mass and ion mobility spectra.

Invention Support

Name	Value
Internal Funds:	Yes
If yes, Identify the UA Internal Funding Source:	Startup funds from CBC to Michael Marty
State or Federal Funds:	No
If yes, list Sponsor Name & Grant/Contract No. Information should be consistent with information provided to sponsoring agency in reports.:	
Foundation, Corporate or Other Funds:	No
If yes, list Industry Sponsor Name, Grant /Contract Number and (%) contribution by Grant to your invention.:	
3rd Party Materials or Data:	Yes
If yes, list any materials or data and the third party name.:	The previous UniDec copywritten material.
Does any contributor have a financial interest in an involved research sponsor, material provider, or potential licensee?:	Yes
If yes, describe in detail.:	As an inventor of UniDec, I have rights to the royalties from the Oxford license.
Any 3rd Party Collaborators?:	No
If yes, list Name(s) and Organization(s):	

Publication Date(s)

Name	Value
Past or Planned Publications? (Papers, posters, talks, etc, including those that are planned/future - See Guidelines):	Yes
If yes, list Event, Date and Reference/Comments:	Not sure if this counts. In the release notes for the latest version of the software, I've posted online that these features were added. However, I have not released the source code. I released the binary to one party under the previous license.

Commercial Potential

Name	Value
Closest known product/technology:	Protein Deconvolution by Thermo Fisher Scientific
Potential Licensees, if any:	UCB pharma in the UK, Amgen Inc, mass spectrometry instrument companies (Waters, Agilent, Thermo)
Identify any 3rd party elements incorporated into the work, including developers:	Software to build the binary, Microsoft Visual Studio and Intel Parallel Studio

Inventors

First Name	MI	Last Name	Significance	Contribution
Michael	T	Marty	1	100.00 %

Remarks

By	Comment	Created
Michael T. Marty	In my opinion, there is no chance of patenting this. It is an entirely obvious extension. But, it is worth securing the copyright to the additional code as part of a long-term strategy to transition control of the IP from Oxford to UA.	8/15/2016

Documents

File Name	Created By	Date Created
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I/We have reviewed and understand the Arizona Board of Regents Policy 6-908 "Intellectual Property Policy" and the Intellectual Property Policy on the Office of Technology Transfer website, and confirm that I/we will abide by the same. As required, we assign our rights in this invention and all resulting patents (including serial no(s)).
_____, authorized to be filled in later by UA) and copyrights to the Arizona Board of Regents on behalf of the University of Arizona.

Michael
T
Marty (Lead Inventor)

Date