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OFFICE OF THE
SECRETARY

MURIEL BOWSER
MAYOR

MAR 15 2017

The Honorable Phil Mendelson
Chairman
Council of the District of Columbia
John A. Wilson Building
1350 Pennsylvania Avenue NW, Suite 504
Washington, DC 20004

Dear Chairman Mendelson:

In accordance with section 2 of the Confirmation Act of 1978, effective March 3, 1979, (D.C. Law 2-142; D.C. Official Code § 1-523.01, and pursuant to section 12 of the Department of Forensic Sciences Establishment Act of 2011, approved August 17, 2011, (D.C. Law 19-18; D.C. Official Code § 5-1501.11), I am pleased to nominate the following individual:

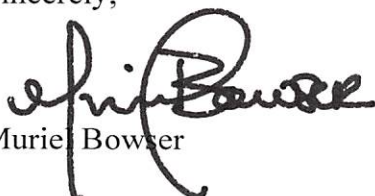
Dr. Simone N. Gittelson
38 Maryland Avenue, Unit 214
Rockville, MD 20850

for reappointment as a forensic scientist member of the Science Advisory Board, for a term to end November 25, 2020.

Enclosed, you will find biographical information detailing the experience of the above-mentioned nominee, along with a proposed resolution to assist the Council during the confirmation process.

I would appreciate the Council's earliest consideration of this nomination for confirmation. Please do not hesitate to contact me, or Steven Walker, Director, Mayor's Office of Talent and Appointments, should the Council require additional information.

Sincerely,


Muriel Bowser



Chairman Phil Mendelson
at the request of the Mayor

A PROPOSED RESOLUTION

IN THE COUNCIL OF THE DISTRICT OF COLUMBIA

Chairman Phil Mendelson, at the request of the Mayor, introduced the following resolution which was referred to the Committee on _____.

To confirm the reappointment of Dr. Simone N. Gittelson as a forensic scientist member of the Science Advisory Board.

RESOLVED, BY COUNCIL OF THE DISTRICT OF COLUMBIA, that this resolution may be cited as the "Science Advisory Board Simone N. Gittelson Confirmation Resolution of 2017".

Sec. 2. The Council of the District of Columbia confirms the reappointment of:

Dr. Simone N. Gittelson
38 Maryland Avenue, Unit 214
Rockville, MD 20850

as a forensic scientist member of the Science Advisory Board, established by section 12 of the Department of Forensic Sciences Establishment Act of 2011, approved August 17, 2011, (D.C. Law 19-18; D.C. Official Code § 5-1501.11), for a term to end November 25, 2020.

Sec. 3. The Council of the District of Columbia shall transmit a copy of this resolution, upon its adoption, to the nominee and to the Office of the Mayor.

Sec. 4. This resolution shall take effect immediately.

Simone N. Gittelson, Ph.D.

November 2015

(FORENSIC) MATHEMATICAL STATISTICIAN

Statistical Engineering Division
Information Technology Laboratory

EDUCATION

- 2013 **Ph.D. in Forensic Science**
School of Criminal Justice, University of Lausanne
Advisor: Prof. Franco Taroni
Dissertation: Evolving from Inferences to Decisions in the Interpretation of Scientific Evidence
- 2008 **M.Sc. in Forensic Science, subject area Identification**
School of Criminal Justice, University of Lausanne
Thesis: Solving the Two-trace Transfer Problem Using Bayesian Networks
Honor: magna cum laude
- 2006 **B.Sc. in Forensic Science**
School of Criminal Justice, University of Lausanne
Honor: magna cum laude
- 2002 **Secondary Education**
Graduated Top of Class 2002 at the Kantonsschule Zürcher Oberland in Wetzikon, ZH Switzerland
Highest GPA in freshman year at East Chapel Hill High School in Chapel Hill, NC United States of America

HONOR SOCIETY

- 2003 – 2013 Member of the Swiss Study Foundation
(www.studienstiftung.ch)

AWARDS AND FELLOWSHIPS

- 2014 **Prix de la Banque Cantonale Vaudoise**
for excellence of the dissertation
- 2013 **Swiss National Science Foundation (SNSF) Early Postdoc.Mobility Research Fellowship**
\$73,048 over 18 months
grant n° P2LAP3_148445:
Low template DNA traces: how many replicates are enough?
A decision-theoretic approach

PROFESSIONAL EXPERIENCE

- 2013 – 2014 **SNSF Postdoctoral Research Fellow**
1. Applied Genetics Group, Biomolecular Measurement Division
National Institute of Standards and Technology
 2. Department of Biostatistics, School of Public Health
University of Washington
- 2009 – 2012 **Research Assistant**
Research projects funded by the SNSF
Responsible for the grants: Prof. Franco Taroni
1. grant n° 100014-122601:
How to make rational decisions: Bayesian networks and decision theory in forensic science applications
 2. grant n° 100014-135340:
Rational decisions in forensic science: case studies and applications
- 2008 – 2013 **Consultant in Forensic DNA Statistics**
Forensic Genetics Unit of the University's Center of Legal Medicine
(www.curml.ch), Lausanne-Geneva
- 2008 – 2013 **Teaching Assistant**
Graduate program in Forensic Science, subject area Identification
School of Criminal Justice, University of Lausanne
- 2008 – 2013 **Scientific Mediator**
Public laboratory "Eprouvette", University of Lausanne
(www.eprouvette.ch)
- 2006 **Forensic Science Intern**
Forensic Institute Zurich (www.kapo.zh.ch),
Police of the canton of Zurich, Switzerland

PEER-REVIEWED PUBLICATIONS

Gittelsohn S., Kalafut T., Myers S., Taylor D., Hicks T., Taroni F., Evett I., Bright J.-A., Buckleton J. A practical guide for the formulation of propositions in the Bayesian approach to DNA evidence interpretation in an adversarial environment. *Journal of Forensic Sciences* (in press), doi: 10.1111/1556-4029.12907, 2015.

Gittelsohn S., Biedermann A., Bozza S., Taroni F. Decision analysis for the genotype designation in low-template-DNA profiles. *Forensic Science International: Genetics* 9: 118-133, 2014.

Gittelsohn S., Bozza S., Biedermann A., Taroni F. Decision-theoretic reflections on processing a fingerprint. *Forensic Science International*, 226(1-3): e42-e47, 2013.

Gittelso S., Biedermann A., Bozza S., Taroni F. Modeling the forensic two-trace problem with Bayesian networks. *Artificial Intelligence and Law*, 21(2): 221-252, 2013.

Gittelso S., Biedermann A., Bozza S., Taroni F. The database search problem: a question of rational decision making. *Forensic Science International* 222(1-3): 186-199, 2012.

Gittelso S., Biedermann A., Bozza S., Taroni F. Bayesian networks and the value of the evidence for the forensic two-trace transfer problem. *Journal of Forensic Sciences* 57(5): 1199-1216, 2012.

Biedermann A., Gittelso S., Taroni F. Recent misconceptions about the 'database search problem': a probabilistic analysis using Bayesian networks. *Forensic Science International* 212(1-3): 51-60, 2011.

PRESENTATIONS AT CONFERENCES, SYMPOSIUMS AND WORKSHOPS

2015 "How many replicates are enough in the analysis of low-template DNA?"

Gittelso S., Steffen C., Coble M.

7th European Academy of Forensic Science Conference

Sep. 6-11 in Prague, Czech Republic

2015 "Basic STR interpretation workshop"

Butler J., Gittelso S.

26th Congress of the International Society for Forensic Genetics

Aug. 31-Sep. 5 in Krakow, Poland

2015 "Mixture interpretation and statistics workshop"

Buckleton J., Gittelso S.

14th Annual DNA Technical Conference, Bode East

May 26-29 in Orlando, United States of America

2015 "A step toward likelihood ratios in pattern recognition disciplines"

Gittelso S.

67th American Academy of Forensic Sciences Conference

Feb. 16-21 in Orlando, United States of America

2014 "From inferences to decisions in the analysis of low-template DNA traces"

Gittelso S.

Forensics@NIST Symposium

Dec. 3-4 in Gaithersburg, United States of America

2014 **Keynote Presentation**

"How to make rational decisions in the analysis of low-template DNA traces"

Gittelso S., Hill C., Coble M.

9th International Conference on Forensic Inference and Statistics

Aug. 19-22 in Leiden, The Netherlands

2012 "Making rational decisions in forensic science"

- Gittelson S.
International Exploratory Workshop on Inference and Decision Modelling in
Forensic Science, meeting supported by the SNSF
Oct. 25-26 in Lausanne, Switzerland
- 2012 “Decision analysis for the allelic designation in low-template-DNA profiles”
Gittelson S., Biedermann A., Bozza S., Taroni F.
6th European Academy of Forensic Science Conference
Aug. 20-24 in The Hague, The Netherlands
- 2011 “The database search problem: a question of rational decision making”
Gittelson S., Biedermann A., Bozza S., Taroni F.
8th International Conference on Forensic Inference and Statistics
July 19-21 in Seattle, United States of America
- 2009 “Analyzing complex inference problems in forensic science using Bayesian networks:
the example of the two-trace transfer problem”
Gittelson S., Biedermann A., Taroni F.
5th European Academy of Forensic Science Conference
Sept. 8-11 in Glasgow, United Kingdom
Abstract in: *Science & Justice (Special Issue)* 50: 33, 2010.

SERVICE ACTIVITIES

- 2015 – present Member of the Biology/DNA Scientific Area Committee (SAC)
- 2009 – present Reviewer for *Forensic Science International*; *Forensic Science International: Genetics*; *Artificial Intelligence and Law*; *Law, Probability and Risk*; *Journal of Forensic Science and Medicine*; and *Journal of Forensic Sciences*
- 2007 – 2008 Member of the Local Organizing Committee for the 7th International Conference on Forensic Inference and Statistics, Aug. 20-23, 2008
School of Criminal Justice, University of Lausanne



Executive Office of the Mayor - Office of Talent and Appointments
John A. Wilson Building | 1350 Pennsylvania Avenue, Suite 600 | Washington, DC 20004

Simone Gittelson



Simone Gittelson is a Forensic Mathematical Statistician at the National Institute of Standards and Technology's Statistical Engineering Division.

At the NIST, Dr. Gittelson works to advance research in forensic statistics and provide consulting for the interpretation of forensic DNA evidence. As an astute scholar, her doctoral research focused on the interpretation and evaluation of scientific evidence. A postdoctoral research fellowship from the Swiss National Science Foundation allowed her to pursue her research in the interpretation of low-template DNA in collaboration with the Applied Genetics Group at NIST and the University of Washington in Seattle. At the end of this fellowship, Dr. Gittelson started her current position at NIST. In the past year, she has led workshops throughout the United States and internationally on likelihood ratios and probabilistic genotyping. Dr. Gittelson has been recently appointed as a member of the Biology/DNA Scientific Area Committee (SAC).

Dr. Gittelson received a Bachelor of Science, Master of Science in Forensic Science, and a Doctor of Philosophy in Forensic Science from the University of Lausanne School of Criminal Justice.

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Executive Office of Mayor Muriel Bowser



Office of the General Counsel to the Mayor

To: Lauren C. Vaughan, Steve Walker
From: Betsy Cavendish
Date: March 9, 2017
Subject: Legal sufficiency review of Resolution nominating Simone Gittelson as a forensic scientist member of the Science Advisory Board

This is to Certify that this office has reviewed the above-referenced Resolution and found it to be legally unobjectionable. If you have any questions in this regard, please do not hesitate to call Karuna Seshasai, Deputy General Counsel, Executive Office of the Mayor, at 202-724-1303, or me at 202-724-7681.

A handwritten signature in cursive script that reads 'Elizabeth A. Cavendish'.

Elizabeth Cavendish