

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero



I am an innovation economist, nanomaterials engineer, energy innovator, and above all tireless entrepreneur. I also manage a portfolio of companies for Cornell Tech's incubator programs and consult for companies in diverse topics such as semiconductors, nanomaterials, energy storage, renewable energies, and applications of digital technologies such as machine learning, signal processing, computer vision, and NLP.

## Professional Experience

### **Director of Runway and Spinouts (2017-present)**

#### **Jacobs Technion – Cornell Institute at Cornell Tech**

At Cornell Tech, the Jacobs Technion-Cornell Institute is a place for dynamic experimentation, where the boundaries of academia are expanded. The Runway Startup Postdoc Program is part business school, part research institution, and part startup incubator. Based at the Jacobs Technion-Cornell Institute, Runway ushers recent PhDs in digital technology fields through a paradigm shift — from an academic mindset to an entrepreneurial outlook. In this role I mentor more than a dozen early stage software startups in a variety of industries such as health technologies, DNA sequencing, cryptocurrency, cybersecurity, and telecommunications. <https://tech.cornell.edu/>

### **Visiting Lecturer (2022-present)**

#### **SC Johnson College of Business at Cornell University**

The Cornell SC Johnson College of Business is an academic powerhouse that includes the Charles H. Dyson School of Applied Economics and Management, the Samuel Curtis Johnson Graduate School of Management, and the Peter and Stephanie Nolan School of Hotel Administration. <https://business.cornell.edu/>

### **National iCorps Instructor**

#### **NSF iCorps – Managed by Venturewell**

The U.S. National Science Foundation's Innovation Corps (I-Corps™) program is an immersive, entrepreneurial training program that facilitates the transformation of invention to impact. This immersive, seven-week experiential training program prepares scientists and engineers to extend their focus beyond the university laboratory — accelerating the economic and societal benefits of NSF-funded and other basic research projects that are ready to move toward commercialization. <https://beta.nsf.gov/funding/initiatives/i-corps>

### **Co-Founder (2019-present)**

#### **ipHaus – Innovate Prefabricate Inc**

iphaus offers a prefab sustainable circular construction technology. The design of iphouse is optimized for infill lots and affordable housing. <https://www.iphaus.co/>

### **Board Member (2018-2022)**

#### **FIND Genomics**

FIND Genomics provides the first near real-time DNA software solution that identifies individuals and verifies cell lines, at any location — in laboratories, or in the field — with detail and specificity. <http://www.fndgenomics.com/>

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero

## **Board Member (2018-present)**

### **Quantified Biology**

Quantified Biology, Inc. develops custom-made biological image analysis solutions for R&D units in pharmaceutical companies and academic research groups who perform image-based experimentation for drug discovery. Quantified Biology's software solutions save time and improve decision-making by quickly processing thousands of images while performing a non-biased, deep analysis. <https://www.quantified-biology.com/>

## **Technology Advisor (2017-present)**

### **GreenTech Endeavors LLC**

GreenTech Endeavors LLC is headquartered in Miami, Florida. GreenTech Endeavors' mission is to incubate and launch lean and synergistic cleantech startups that become profitable in less than three years and revolutionize their respective industries, while providing incredible value to our customers, outstanding returns to our shareholders and a fulfilling work environment to our employees. <http://www.greentechendeavors.com/>

## **Co-Founder, Technology Advisor (2019-present)**

### **Actib Health - Spatial Garage**

Founded in 2019, Spatial Garage's team of innovators has decades of experience bringing new digital technologies to life. Spatial Garage prides itself in envisioning, building, and launching apps tailored for spatial computing mobile devices. <https://www.actibhealth.com/>

## **Chief Executive Officer (2012-2017)**

### **Battery Energy Storage Systems – Technologies (BESSTECH) LLC**

BESSTECH is a Li-ion battery component designer that partners with lithium-ion battery manufacturers to greatly increase the performance of their batteries.

## **Board Member - Industry Director (2013-2016)**

### **New York Battery and Energy Storage Technology Consortium (NY-BEST)**

The New York Battery and Energy Storage Technology Consortium (NY-BEST™) is a rapidly growing, industry-led, private-public coalition of corporate, entrepreneurial, academic, and government partners building a vibrant, world-class advanced battery and energy storage sector, from R&D to commercialization, in New York State.

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero

## **Board Member (2016-2020)**

### **SUNY Patents and Inventions Policy Board**

The purpose of the Patents and Inventions Policy Board is to define SUNY's intellectual property and commercialization policy objectives and to develop and interpret such policies in furtherance of SUNY's strategic goals.

## **Associate Editor (2010-2011)**

### **Governing Board Member (Volunteer work) (2012-present)**

#### **Journal of Science Policy and Governance**

The Journal of Science Policy & Governance (JSPG) provides a forum for students and young scholars to publish policy relevant work. Our mission is to foster a public forum for the discussion and timely dissemination of the most pressing challenges facing science and technology policy.

## **Entrepreneurial Mentor (2014)**

### **NSF iCorps Program**

Serving as entrepreneurial mentor for team 326, Eonix. Eonix worked to bring an innovative solution to the ultra capacitor market with customized ionic liquids. I served as an entrepreneurial and business member for the team during the iClean bootcamp. This was a contract from SUNY Polytechnic Institute.

## **Lecturer (volunteer work) (2013-present)**

### **SmartKids NY – Innovators Ink**

SmartKids NY introduces 3rd graders to new technologies through hands-on demos and experiments led by young entrepreneurs, researchers and professionals. Gave presentations to 6<sup>th</sup> grader groups on the history and development of batteries.

## **Graduate Research Assistant, Nanoeconomics Constellation (2007-2012)**

### **College of Nanoscale Science and Engineering, University at Albany SUNY**

Perform seminal research on the economic impact of nanotechnologies and on the growth of the New York economy fueled by new technologies, published by Georgia Tech and recognized by the National Association of Business Economists NABE.

## **Researcher/Analyst (2006-2007)**

### **The International Development Research Centre IDRC - CRDI**

Was part of an international team of researchers that produced the first study on the state of nanotechnologies in Andean Countries, as part of the Research on Knowledge Systems (RoKS) Program.

## **Nanotechnology Lecturer (2006-2007)**

### **Universidad El Bosque, Bogotá D.C., Colombia**

Created the first institutional curriculum for a multidisciplinary course on the principles of nanotechnology.

## **Research Assistant, Fuels Research Group, Chemistry Department (2002-2005)**

### **Universidad Nacional de Colombia, Bogotá D.C., Colombia**

Produced and characterized carbon nanotubes for the first time in the country. Engineered a novel nanotube/polymer composite.

## **Logistics Coordinator (2002-2004)**

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero

## **FritoLay Colombia, Bogotá D.C., Colombia**

Restructured the supply chain from factory sites to wholesales/supermarkets achieving millions of dollars in savings. Implemented and managed a packaging recycle program that recycled over 8 million cardboard boxes per year.

## **Education**

### **Ph.D. in Nanoscale Engineering, Nanoeconomics Concentration (2012)**

Colleges of Nanoscale Science and Engineering, University at Albany SUNY

### **M.S. in Nanoscale Engineering (2009)**

College of Nanoscale Science and Engineering, University at Albany SUNY

### **Specialist Degree in Economics (2005)**

Economics Department, Universidad de los Andes

### **B.S. in Industrial Engineering, Operations Research (2002)**

Industrial Engineering Department, Universidad de los Andes

## **Awards**

### **Albany Business Review 40underforty Award**

Albany Business Review. Albany, NY. **2014.**

### **2014 40under40 Rising Stars Award**

The Hispanic Coalition NY Inc. Albany, NY. **2014.**

### **Roadmap to Results Award**

Consulting Alliance. Albany, NY. **2012.**

### **NABE Annual Meeting Scholarship**

The National Association of Business Economists (NABE) Foundation. Washington, DC. **2009.**

### **1st Prize: “The Precursor” NanoGSO Innovative Idea Competition**

College of Nanoscale Science and Engineering, University at Albany, SUNY. **2008.**

### **Multinational Force and Observers Medal**

Multinational Force & Observers, Sinai, Egypt, **1998.**

### **The Chief of Staff’s Outstanding Conduct Award**

Multinational Force & Observers, Sinai, Egypt, **1997.**

### **Andrés Bello Award**

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044  
Phone: 518-256-7029  
Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)  
Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)  
LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)  
Twitter: @FerGomezBaquero

Colombian National Government, Colombian Institute for the Promotion of Education (ICFES). Bogotá, Colombia. **1996.**

## Patent Applications

Solid-state Battery and Methods of Fabrication. USPTO non-provisional application number 2014/14066176, file date 10/29/2013.

Actuating Artificial Disc Replacement. USPTO provisional application number 61/516,856, file date 4/11/2011.

Shape and Volume Adjustable Breast Implant. USPTO provisional application number 61/516,857, file date 4/11/2011.

Hyperbranched Nanosurface for Implant Osseointegration. Submitted to USPTO on 01/05/2012.

## Publications

### Books

Nanotecnociencia: Nociones preliminares sobre el universo nanoscópico. Edited by: Jairo Giraldo Gallo, Édgar González and **Fernando Gómez-Baquero**. 17 x 24.5 cm. 254 p. ISBN 9789584409119. April, **2007**.

### Book chapters

Intellectual Property Management for Start-ups.

*Editors: Prof. Dr. Martin A. Bader and Prof. Dr. Sevim Süzeroğlu-Melchior*

DOI : 10.1007/978-3-031-16993-9

Chapter Title : Experimentation in Academic Technology Commercialization. **Fernando Gómez-Baquero**.

Chapter 7: Nanotechnologies in Latin America, p.95-116. Carlos Aguirre-Bastos, Alejandro F. Mercado, José Luís Aguirre A., Rigliana Portugal E., Carlos F. Paredes C. & Tirza J. Aguilar, Clemente Forero P. & **Fernando Gómez-Baquero**, Hugo Banda & Rocio Jaramillo, Máximo Vega-Centeno, Rosa Morales & Roberto Piselli, Abel Gutarra E. Hebe Vessuri, Isabelle Sánchez, Mahabir P. Gupta. Nanotechnology in the Andean Countries. Edited by: Guillermo Foladori, Noela Invernizzi. Rosa-Luxemburg-Stiftung, Reihe: Manuskripte, 81. 128 Seiten, Broschur, mit 20 Abbildungen und Tabellen. ISBN 978-3-320-02167-2. **2008**.

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044  
Phone: 518-256-7029  
Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)  
Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)  
LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)  
Twitter: @FerGomezBaquero

Chapter 9: Nanotecnología en los países andinos. p.165-192. Carlos Aguirre-Bastos, Alejandro F. Mercado, José Luis Aguirre A., Rigliana Portugal E., Carlos F. Paredes C. & Tirza J. Aguilar, Clemente Forero P. & **Fernando Gómez-Baquero**, Hugo Banda & Rocio Jaramillo, Máximo Vega-Centeno, Rosa Morales & Roberto Piselli, Abel Gutarra E. Hebe Vessuri, Isabelle Sánchez, Mahabir P. Gupta. Las Nanotecnologías en América Latina. Editors: Foladori, Guillermo; Noela Invernizzi. Co-editors: Universidad Autónoma de Zacatecas, Red Latinoamericana de Nanotecnología y Sociedad. Oct, 216 pp., 17 X 23 cm, 250 g., ISBN: 978-607-401-040-4. **2008**.

## Doctoral Dissertation

Generality in nanotechnologies and its relationship to economic performance by **Gómez Baquero, Fernando**, Ph.D., State University Of New York At Albany, 296 pages; 3516219. **2012**.

## Journal Publications and Conference Proceedings

J. Benavides-Guerrero, M. Basante-Romo, J. Rodríguez, **F. Gómez**, R. Camargo-Amado. Synthesis Of A Nanoceramic TiO<sub>2</sub> Matrix Reinforced With Carbon Nanotubes Using The Sol-Gel Technique. Revista Colombiana de Física, Vol. 43, No. 2, **2011**.

Álvaro Duarte-Ruiz, Nelson Nuñez-Dallos, Luis Garzón-Tovar, Klaus Wurst, Eliseo Avella-Moreno and **Fernando Gómez-Baquero**. Synthesis and structure of [Na<sub>4</sub>(DMSO)<sub>15</sub>][(I<sub>3</sub>)<sub>3</sub>(I)]. Self-assembly of hexacoordinated sodium. Chem. Commun., 47, 7110-7112, **2011**.

Duarte-Ruiz, Álvaro; Echegoyen, Luis; Aya, Adriana; **Gómez-Baquero, Fernando**. A New Method to prepare an e,e,e Trisadduct of C<sub>60</sub> using a Protection-Deprotection Sequence. J. Mex. Chem. Soc., 53(3), 168-172. **2009**.

**Gomez-Baquero, Fernando**. Measuring the Generality of Nanotechnologies and its Potential Economic Implications. In Proceedings of the 2009 Atlanta Conference on Science and Innovation Policy, ed. Susan E. Cozzens and Pablo Catalán. **2009**.

Y. Méndez; C. Zúñiga; **F. Gómez**; A. Duarte. Síntesis y caracterización de polimetacrilato de metilo reforzado con nanotubos de carbono de pared múltiple. Revista de Ingeniería de la Universidad de los Andes. Vol. 29, May, p. 41-51. **2009**.

Schultz, Laura; **Gomez-Baquero, Fernando**. Measuring the Impact of Nanotechnology on Regional Economies. National Social Science Proceedings, Vol. 38, No. 2. p. 206-218. **2008**.

Aguirre, Carlos; **Gomez-Baquero, Fernando** et al. Tecnologías Convergentes en los Países Andinos: El Caso de la Nanotecnología. Revista Latinoamericana de Desarrollo Económico, Special Issue, October, p. 7-191. **2007**.

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044  
Phone: 518-256-7029  
Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)  
Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)  
LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)  
Twitter: @FerGomezBaquero

**Gómez-Baquero, Fernando.** Avances en la producción de nanotubos de carbono, en su funcionalización y nuevas perspectivas para su aplicación industrial. Revista Chymeia. Universidad Nacional de Colombia. Bogotá D.C. No. 7, ISSN 0121-6074. **2007.**

**Gómez-Baquero, Fernando.** Cultivando a Colombia para la Nanotecnología. Revista Coyuntura y Tendencias Agropecuarias. Corporación Colombiana de Investigación Agropecuaria CORPOICA. Vol.1 No.3. February, ISSN 1794-9467, **2005.**

Y. Hernández, G. Holguín; M. Baquero; **F. Gómez-Baquero.** Síntesis De Nanotubos De Carbono Por El Método De Arco De Descarga Eléctrica. Revista Colombiana De Física, Vol.36, No.2, **2004.**

Hernández, Yenny; Holguín, Gustavo; Baquero, María and **Gómez-Baquero, Fernando.** Catalyzed Synthesis Of Carbon Nanotubes. In Carbon'03 An International Conference on Carbon, 2003, Oviedo, Spain. Spanish Carbon Group Carbon'03, vol 1. Carbon '03 An International Conference on Carbon. Universidad de Alicante. ISBN 84-607-8305-7. **2003.**

## Poster Presentations

Yuly Mendez , Camilo Zuniga , **Fernando Gomez-Baquero** , Alvaro Duarte Ruiz. Studies On An Adequate Technique For Synthetizing PMMA-MWNT Composites Of Diverse Concentrations. 9th International Conference on Nanostructured Materials. Rio de Janeiro, Brazil, June 1 **2008.**

Yuly P. Méndez, Camilo Zúñiga, **Fernando Gómez-Baquero** y Álvaro Duarte Ruiz. Síntesis y caracterización de polimetacrilato de metilo reforzado con nanotubos de carbono de pared múltiple. II Congreso Colombiano de Micro y Nano Tecnología, Universidad de los Andes, Bogotá D.C., Colombia, sept. **2007.**

Pinzón, Giovanni; Hernández, Yenny; **Gómez-Baquero, Fernando**; Holguín, Gustavo and Baquero, María. CNT Rods Synthesis in CVD on TEOS Substrate. In Fifth Internacional Conference on the Science and Application of Nanotubes, San Luis Potosi, **2004.**

Hernández, Yenny; Holguín, Gustavo; Baquero, María and **Gómez-Baquero, Fernando.** Catalyzed Synthesis Of Carbon Nanotubes. In Carbon'03 An Internacional Conference on Carbon, Oviedo, Spain. **2003.**

## Advised Undergraduate Thesis

Méndez Barragán, Yuly Paola. Zúñiga Ruiz, Camilo Javier. Determinación de la incidencia de la adición controlada de nanotubos de carbono en las propiedades mecánicas y térmicas del polimetacrilato de metilo (PMMA) a escala de laboratorio. Universidad Amércia. Bogotá D.C., Colombia, South America. **2006.**

Kopke Donado, Charles. Arbeláez Camargo, Guillermo Andrés. Proyecto de nanotransistores en Colombia : Potencial de producción y comercialización internacional. Advisor: Fernando Gómez Baquero. Co-Advisor: Clemente Forero Pineda. Universidad de los Andes, Bogotá D.C., 132 p. Local class: 658.00722 K564. **2005.**

## Online stories, newspaper articles, and interviews

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero

La tecnología es cada vez más. **2016.**

<http://www.vanguardia.com/mundo/ciencia/357616-la-tecnologia-es-cada-vez-mas>

Besstech's innovative battery technology is highlighted during featured presentations at Semicon West. **2015.**

[http://www.pv-magazine.com/services/press-releases/details/beitrag/bessteachs-innovative-battery-technology-is-highlighted-during-featured-presentations-at-semicon-west-2015\\_100020232/#ixzz4ASxxXS5E](http://www.pv-magazine.com/services/press-releases/details/beitrag/bessteachs-innovative-battery-technology-is-highlighted-during-featured-presentations-at-semicon-west-2015_100020232/#ixzz4ASxxXS5E)

Colombia New York: El bogotano Fernando Gómez Baquero aplica la nanotecnología en la fabricación de baterías de litio. **2015.**

<http://colombianewyork.com/el-bogotano-fernando-gomez-baquero-aplica-la-nanotecnologia-en-la-fabricacion-de-baterias-de-litio/>

Revista Dinero: El bogotano que triunfa con nanotecnología en Nueva York. **2015.**

<http://www.dinero.com/edicion-impres/negocios/articulo/la-nanotecnologia-abre-paso-colombia-ingenio-bogotano/210883>

Soy Fernando Gómez Baquero, Ingeniería Industrial 2002, Gerente y fundador de Bess Tech

<http://seneca.giinu.com/co/fernando-gomez-baquero/>

TWC News: Capital Region Business Beat: BESSTECH Changing the Battery Industry. **2015.**

<http://www.twcnews.com/nys/capital-region/news/2015/05/27/capital-region-business-beat--besstech-changing-the-battery-industry.html>

Times Union: Japan patent electrifies lithium battery start-up. **2015.**

<http://www.timesunion.com/tuplus-business/article/Japan-patent-electrifies-lithium-battery-start-up-6345220.php>

SUNY Polytechnic Institute: Meet Fernando Gómez-Baquero PhD '12: Co-Founder and CEO at BessTech LLC. **2015.**

<https://sunypoly.edu/stories/meet-fernando-gomez-baquero-phd-12-co-founder-and-ceo-at-besstechllc/>

BizJournals: 10 minutes with Fernando Gomez-Baquero of Bess Technologies **2015.**

<http://www.bizjournals.com/albany/print-edition/2015/03/06/10-minutes-with-fernando-gomez-baquero-of-bess.html>

Daily Gazette: Ex-GloFo CEO joins Troy battery startup

[http://www.dailygazette.com/news/2015/jul/14/0714\\_grose/](http://www.dailygazette.com/news/2015/jul/14/0714_grose/)

EE Times: Battery Startup Gets Ex-Fab Exec: Globalfoundries vet returns to materials. **2015.**

[http://www.eetimes.com/document.asp?doc\\_id=1327153](http://www.eetimes.com/document.asp?doc_id=1327153)

GSA: The GSA welcomes Bass Tech CEO Fernando Gómez-Baquero to its Advisory Board. **2014.**

<http://www.graphenestakeholders.org/gsa-news/gsa-welcomes-bass-tech-ceo-fernando-gomez-baquero-advisory-board/>

Entrepreneur Magazine: Big Innovations Are Happening in Tiny Packages. **2014.**

<http://www.entrepreneur.com/video/236170>

BizJournals: Albany carves a tech niche beyond nano. **2014.**

<http://www.bizjournals.com/albany/print-edition/2014/10/10/albany-carves-a-tech-niche-beyond-nano.html?page=all>

Daily Gazette: Outlook 2013: B.E.S.S. seeking to improve battery technology



# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044  
Phone: 518-256-7029  
Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)  
Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)  
LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)  
Twitter: @FerGomezBaquero

[http://www.dailygazette.com/news/2013/feb/16/0217\\_bess/](http://www.dailygazette.com/news/2013/feb/16/0217_bess/)

Albany Times Union: Fernando Gomez-Baquero: Create useful knowledge. **2013.**

<http://www.timesunion.com/business/article/Fernando-Gomez-Baquero-Create-useful-knowledge-4806971.php#photo-5172802>

New York State Energy and Research Development Authority: Transforming Entrepreneurial Innovation Into Business Success. **2013.**

<http://www.nyserda.ny.gov/About/Publications/Case-Studies-and-Features/Feature-Articles/Transforming-Entrepreneurial-Innovation-Into-Business-Success>

AzoNano: The Next Generation of Battery Technology: An Interview with Dr Fernando Gómez-Baquero. **2012.**

<http://www.azonano.com/article.aspx?ArticleID=3106>

ZDNet: Industry inertia holds back battery innovation. **2012.**

<http://www.zdnet.com/industry-inertia-holds-back-battery-innovation-7000008017/>

Green Car Congress: UAlbany NanoCollege licenses silicon/silicide chemistry and branched nanostructure for advanced Li-ion batteries to spin-out. **2012.**

<http://www.greencarcongress.com/2012/10/bess-20121006.html>

Albany Times Union: WHAT EVER HAPPENED TO? BESS Technologies. **2012.**

<http://www.timesunion.com/business/article/WHAT-EVER-HAPPENED-TO-3905502.php>

BizJournals: Meet the young and the bold. **2011.**

<http://www.bizjournals.com/albany/print-edition/2011/06/24/meet-the-young-and-the-bold.html?page=2>

BizJournals: From UAlbany's iClean incubator, six graduate students look to solve battery quandary. **2011.**

<http://www.bizjournals.com/albany/print-edition/2011/01/14/from-ualbanys-iclean-incubator-six.html>

## Speaker Presentations

Advanced Energy Conference 2016. New York, New York. April 21<sup>st</sup>. Enabling the true potential of Li-ion Batteries. **2016.**

Semicon West 2015. San Francisco, California. Sematech Session. July 15<sup>th</sup>. Bringing Semiconductor Processing to the Battery World. **2015.**

Semicon West 2015. San Francisco, California. Silicon Innovation Forum. July 14-16. Silicon-based anodes for lithium ion batteries. **2015.**

Flextech Alliance Meeting. Binghamton, New York. September 30<sup>th</sup>. R2R PECVD fabrication of silicon-based anodes for lithium ion batteries. **2015.**

National Alliance for Advanced Transportation Batteries (NAATBatt). Phoenix, Arizona, February 14<sup>th</sup>. Thin-film Silicon-based Anodes for Advanced Lithium-ion Batteries. **2015.**

NY-BEST Technology Conference. Rochester, New York. November 12. Silicon-based Anodes for Lithium-ion Batteries. **2014.**

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044  
Phone: 518-256-7029  
Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)  
Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)  
LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)  
Twitter: @FerGomezBaquero

World Graphene Summit. Berkley, California. September 15. Reduced Graphene Oxide Papers and their Application in Lithium-ion Energy Storage. **2014.**

NY-BEST Investment Conference. New York, New York. June 12. Silicon-based Anodes for Lithium-ion Batteries. **2014.**

Applied Materials Roll-2-Roll Workshop. Alzenau, Germany. January 14. Changing to R2R CVD to manufacture high-performance silicon-based anodes for lithium-ion batteries. **2014.**

NYSTAR Center for Advanced Materials Processing (CAMP) Annual Technical Meeting. Saratoga Springs, New York. May 14. Advances Towards a New Paradigm in Li-ion Battery Manufacturing: Thin-Film, Hybrids, and the Wearables Market. **2014.**

New York State Business Competition. Albany. New York. April 26. Better Li-ion batteries using silicon-based nanoengineered anodes. **2013.**

NY-BEST Technology Conference. Syracuse, New York. September 25. Better Li-ion batteries using silicon-based nanoengineered anodes. **2013.**

Technology Transfer Society (T2S) Annual Conference: University at Albany SUNY and New York Academies of Science. New York, New York. April 19. The Generality of Academic versus Corporate and Government Nanotechnology Patents: Results From the COMETS Database. **2013.**

NY-BEST Investment Conference. New York, New York. October 11. Better Li-ion batteries using silicon-based nanoengineered anodes. **2012.**

Technology Transfer Society (T2S) Annual Conference: George Washington University. Washington, District of Columbia, November 12-13. A survey of technology classes and citations in academic nanotechnology patents: patterns and opportunities in technology transfer. **2010.**

Transatlantic Workshop on Nanotechnology Innovation and Policy: Georgia Institute of Technology. Atlanta, Georgia. March 24-26. Mapping the Time-progression of Generality in Nanotechnologies: Illustrative Examples. **2010.**

Atlanta Conference on Science and Innovation Policy. Georgia Institute of Technology. Atlanta, Georgia. October 2-3. Measuring the Generality of Nanotechnologies and its Potential Economic Implications. **2009.**

National Social Sciences Association (NSSA) Conference. Las Vegas, Nevada. April 7. Measuring the Impact of Nanotechnology on Regional Economies (with Laura Schultz Ph.D.). **2008.**

Colsa Speakers Series 2006. University of Oklahoma, Norman, Oklahoma, USA. Myths, Realities And Economic Implications Of The Nanotech Revolution. **2006.**

## Hobbies

Travelling: I have traveled to 34 countries and counting.

Languages: I speak Spanish, English, Portuguese, and if I practice for a bit I can regain my German and French. Next conquest: Hebrew.

# Fernando Gómez-Baquero, Ph.D.

1 E Loop Rd, Apt 25G, New York, NY 10044

Phone: 518-256-7029

Work Email: [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

Personal Email: [fernagom@gmail.com](mailto:fernagom@gmail.com)

LinkedIn: [www.linkedin.com/in/fernandogomezbaquero/en](http://www.linkedin.com/in/fernandogomezbaquero/en)

Twitter: @FerGomezBaquero

Music: I play classical piano, flute, marimba, pan flute (a.k.a zampoña), and accordion.

Space: I'm obsessed with all things space. Best experience has been in 2015 when I flew on the ZeroG flight to experience weightlessness.