



CITY OF FORT PIERCE

100 NORTH US HWY 1
FORT PIERCE, FLORIDA 34950
(772) 467-3065 FAX (772) 467-3841

APPLICATION FOR APPOINTMENT/REAPPOINTMENT

Name of Board or Boards for which you are applying: _____

Name:	Phone:
Home Address: City/Zip Code:	How long at this address?
Are you a citizen of the United States? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Occupation:	
Do you own a business that operates within the City of Fort Pierce? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, list the address and nature of said business:	
Do you now or in the future plan to do business with the City of Fort Pierce? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, in what capacity?	
Are you employed by a business that is located within the City of Fort Pierce? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, state the business and location:	
Do you have special training or knowledge in the area of: Architecture: <input type="checkbox"/> Yes <input type="checkbox"/> No Engineering: <input type="checkbox"/> Yes <input type="checkbox"/> No Real Estate Brokering: <input type="checkbox"/> Yes <input type="checkbox"/> No Contracting: <input type="checkbox"/> Yes <input type="checkbox"/> No Land Development: <input type="checkbox"/> Yes <input type="checkbox"/> No Other: Describe your education, background, training and knowledge – (feel free to attach a resume):	
Are you currently a member of a Commission-appointed board/committee? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please specify:	
Have you ever been convicted of a felony? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, what was the nature of the crime(s) you were convicted of:	
Referred by:	Applicant Email Address:
Date:	Applicant's Signature <i>D Hewitt</i>

APPLICATIONS EXPIRE 6 MONTHS FROM THE DATE OF SUBMISSION. PLEASE REAPPLY AS OFTEN AS DESIRED.
Please return form to: City Clerk's Office – 100 North US Hwy 1, Fort Pierce, Florida 34950
fax (772) 467-3841 or via email at lcox@cityoffortpierce.com

David Hewitt

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linkedin.com/in/david-hewitt2012

Highly motivated professional with research ability and experience in organic/polymer syntheses. Possess deep knowledge and understanding of polymer design, characterization, and formulation towards target specific applications. Skilled in developing analytical techniques for non-polymer mixtures. Expert in performing maintenance and calibration for laboratory instruments while ordering and managing inventory in accordance with laboratory budget. Proficient in NMR, MALDI-TOF, LCMS, GPC, and IR instruments. Certified in the fundamentals of the Bioscience Industry environment through examination of its commercialization process – how an idea becomes a product.

Education

Doctor of Philosophy Candidate in Chemistry, 2019 – Stony Brook University, Stony Brook, NY

Master of Science in Chemistry, 2012 – CUNY, City College, New York, NY

Bachelor of Science in Chemistry, 2007 – University of Guyana, Georgetown, Guyana

Academic Research Experience

STONY BROOK UNIVERSITY, Stony Brook, NY

Graduate Researcher, May 2014 - Dec 2019

Involved in developing organocatalytic addition polymerization of highly reactive ethyl glyoxylate in a controlled fashion. Improved the scope of organocatalytic glyoxylate polymerization and incorporation into novel architectures as an easily degradable block. Synthesized PLA-PEO-PLA hydrogels with novel rheology by using organocatalytic ring opening polymerization. Designed solutions process able thermoplastic elastomers via RAFT process for electrically tunable short-wave infrared filter. Performed research on the use of MALDI-TOF spectrometry with selective excitation for the identification of conjugated molecules. Designed a proposal for the expansion of olefin polymerization methods to allow the preparation of polyolefin containing cycloalkanes via metal-catalyzed cyclopolymerization of dienes.

- Exhibited control over the polymerization of ethyl glyoxylate by creating a base-catalyzed approach.
- Discovered an unexpected enhancement of mechanical strength of PLA-PEO-PLA hydrogels.
- Preliminary findings suggesting MALDI-TOF spectroscopy can be used for the identification of various bandgaps of conjugated molecules
- Developed research proposal for coordination-insertion cyclopolymerization of polar diallyl sulfide/sulfoxide/sulfones
- Synthesized polyacrylates/polymethacrylates ABA triblock copolymers (elastomers) for IR detection research

CUNY - CITY COLLEGE, New York, NY

Graduate Researcher, Jan 2011 - July 2012

Utilized single crystal, double crystal, and high-resolution X-ray Diffraction to classify II-VI epitaxial layers grown by Molecular Beam Epitaxy (MBE). Conducted research to analyze the growth process of II-VI semiconductors by MBE.

UNIVERSITY OF GUYANA, Georgetown, Guyana

Undergraduate Research Assistant, Sept 2006 - July 2007

Performed testing to evaluate chloride ion content in wastewater from selected areas of coastal Guyana using Mohr's method.

Continued...

Work Experience

- **Principal Chemist** at Brewer International (Oct 2022 – current)
 - **Master Instructor of Chemistry** at Indian River State College (Aug 2020 – July 2022)
 - **Adjunct General Chemistry Instructor** at Rasmussen College (Jan 2020 – June 2020)
 - **Graduate Teaching Assistant** at Stony Brook University (Aug 2013 – May 2019)
 - **Resident Assistant** at Stony Brook University (Jan 2020 – June 2020)
 - **Adjunct Chemistry Professor** at CUNY – City College (Aug 2011 – May 2013)
 - **Sales Rep, Assistant and District Manager**, Vector Marketing Corporation (Feb 2009 – August 2010)
 - **High School Science Teacher** in Guyana, South America (Sept 2006 – Aug 2007)
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Publications

1. Hewitt, D. R. O. and Grubbs, R. B. "Amine-Catalyzed Chain Polymerization of Ethyl Glyoxylate from Alcohol and Thiol Initiators." ACS Macro Letters 2021, 10, 370-374. <https://doi.org/10.1021/acsmacrolett.0c00865>
 2. Yin, X., Hewitt, D. R. O., Zheng, B., Yu, X., Carr, A. J., Grubbs, R. B., Bhatia, S. R. (2022). Aqueous Assembly and Hydrogel Rheology of Sustainable Glyoxylate-Based Copolymers. ACS Appl. Polym. Mater. <https://pubs.acs.org/doi/10.1021/acsapm.2c00542>.
 3. Yin, X., Hewitt, D. R. O., Zheng, B., Heroux, L. A., Quah, S. P., Stanley, C. B., Grubbs, R. B., Bhatia, S. R. (2021). Effect of stereochemistry on nanoscale assembly of ABA triblock copolymers with crystalline blocks. Polymer, 223, ISSN 0032-3861. <https://doi.org/10.1016/j.polymer.2021.123683>
 4. Yin, X., Hewitt, D. R. O., Preston, A. N., Heroux, L. A., Agamalian, M. M., Quah, S. P., Khalifah, P. G., Grubbs, R. B., Bhatia, S. R. (2019). Hierarchical assembly in PLA-PEO-PLA hydrogels with crystalline domains and effect of block stereochemistry. Colloids and Surfaces B: Biointerfaces, 180, 102–109. <https://doi.org/10.1016/j.colsurfb.2019.04.031>
 5. Yin, X., Hewitt, D. R. O., Quah, S. P., Zheng, B., Mattei, G. S., Khalifah, P. G., Bhatia, S. R. (2018). Impact of stereochemistry on rheology and nanostructure of PLA-PEO-PLA triblocks: Stiff gels at intermediate l/d-lactide ratios. Soft Matter, 14(35), 7255–7263. <https://doi.org/10.1039/c8sm01559g>
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Community Service

Financial Peace University Coordinator, Fort Pierce, FL
Community Student Mentors (CSM) mentor, Stony Brook University, Stony Brook, NY
Lab Safety Officer, Professor Grubbs research group, Stony Brook, NY
Research Experience for Undergraduates (REU) mentor, Stony Brook
University Center for Inclusive Education (CIE), Stony Brook, NY
Volunteer Math and Science teacher/tutor, Brooklyn Community Services (AEEP), Brooklyn, NY
Volunteer Science Teacher, Stewartville Secondary School, W.C.D, Guyana