

Doyle Group Publications Updated September 2015

66. Doyle, R. P., Ron. L. Bonaccorso, Oleg G. Chepurny, Christian Becker-Pauly, George G. Holz Enhanced peptide stability against protease degradation induced by Intrinsic factor binding of a vitamin B12 conjugate of exendin-4 *Molecular Pharmaceutics* **2015**, accepted PMID: 26260673
65. Doyle, R. P., Tiffany J. Greenfield, Amanda E. Hoffman, Alan G. Goos, Francesc Lloret, Miguel Julve Ferromagnetic coupling in “double-bridged” dihydrogenpyrophosphate complexes of Cobalt(II) and Nickel(II) *Inorganic Chemistry* **2015**, 54, 6637-6646.
64. Doyle, R. P., Kelly E. Henry, R. M. Burke, C. Elfers and C. L. Roth Vitamin B₁₂ conjugation of Peptide-YY₃₋₃₆ decreases food intake compared to native Peptide-YY₃₋₃₆ upon subcutaneous administration in lean rats, *Endocrinology* **2015**, 156, 1739-1749.
63. Doyle, R.P., Amanda E. Hoffman, Leann H. Miles, Carolyn Shoen, Michelle DeStefano and Michael Cynamon Clinical isolates of *Candida albicans*, *Candida tropicalis*, and *Candida krusei* have different susceptibilities to Co(II) and Cu(II) complexes *Biometals* **2015**, 28, 415-423.
62. Doyle, R. P., Brian P. Huta, Allison M. Roberts, Elizabeth S. Waters, Vivian Y. Yu, Mark R. Mehlenbacher and Fadi Bou-Abdallah The Antimalarial Drug Atovaquone Binds to Saposin B with Comparable Affinity to Coenzyme Q10 *Med. Chem. Commun.*, **2014**, 5, 787-791.
61. Doyle, R.P., John F. Valliant, Michael P. Coogan and Jon Zubieta Single Amino Acid Chelate (SAAC) Complexes of the M(CO) Core for Correlating Fluorescence and Radioimaging Studies (M = 99mTc, Re) *Journal of Labelled Compounds and Radiopharmaceuticals* **2014**, 57(4), 255-261.
60. Doyle, R. P., Oluwatayo F. Ikotun, Bernadette V. Marquez, Christopher H. Fazen, Anna R. Kahkoska, Suzanne E. Lapi Investigating a vitamin B₁₂ conjugate as a PET imaging probe *ChemMedChem* **2014**, 9, 1244-1251.
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58. DeRuisseau, K. C., Robert P. Doyle, Christopher H. Fazen, Young Min Park, Lara R. DeRuisseau, Patrick M. Cowley and Krista Vandenborne Aging-related Changes in the Iron Status of Skeletal Muscle *Experimental Gerontology* **2013**, 48, 1294-302.
57. Doyle, R. P., Kelly E. Henry, Rebeca G. Balasingham, Anthony R. Vortherms, James A. Platts, John F. Valliant, Michael P. Coogan, Jon Zubieta, Emission wavelength variation with changes in excitation in a Re(I)/ bithiazolate ligand complex that breaks the Kasha-Vavilov Rule *Chem. Sci.*, **2013**, 4, 2490-2496.
56. Doyle, R. P., Susan Clardy-James, Oleg G. Chepurny, Colin A. Leech, George G. Holz, Synthesis, Characterization and Pharmacodynamics of Vitamin B₁₂ Conjugated Glucagon-Like Peptide-1 *ChemMedChem* **2013**, 8, 582-586. (selected as cover article)
55. Doyle, R. P., Christopher H. Fazen, Anna Kahkoska, Expression and purification of human PYY(3–36) in *Escherichia coli* using a small ubiquitin-like modifier fusion *Protein Exp. Purif.* **2012**, 85, 51-59.
54. Doyle, R. P., Nadia Marino, Susan K. Hanson, Peter Müller, Pyro without Fire:

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- 52.** Doyle, R. P.; Brian Huta, Joshua J. Lensbouer, Adam J. Lowe, Jon Zubieta Metal-citrate complex uptake and CitMHS transporters- From coordination chemistry to possible vaccine development *Inorg. Chim. Acta* **2012**, 125-134, 393. (Special issue 'Metals in Medicine')
- 51.** Doyle, R. P., Susan Clardy-James, Jamie L. Bernstein Site selective oxidation of vitamin B₁₂ using iodoxybenzoic acid *Synlett* **2012**, 23, 2363-2366.
- 50.** Doyle, R. P., Susan Clardy-James, Damian G. Allis, Timothy J. Fairchild, Examining the effects of vitamin B₁₂ conjugation on the biological activity of insulin: A molecular dynamic and *in vivo* oral uptake investigation *MedChemComm* **2012**, 3, 1054-1058. (Selected as cover article)
- 49.** Doyle, R. P., Amanda E. Hoffman, Francesc Lloret, Miguel Julve, Nadia Marino, Synthesis, Structural and Magnetic Investigations of One-Dimensional Co(II), Ni(II), and Mn(II) Pyrophosphate Coordination Compounds *Inorg. Chim. Acta* **2012**, 389, 151-158.
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