# Nia Jane Bryant

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 3,357 citations | 236925 25 h-index | 189892 50 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 3493 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Knockout of syntaxin-4 in 3T3-L1 adipocytes reveals new insight into GLUT4 trafficking and adiponectin secretion. Journal of Cell Science, 2022, 135, . | 2.0 | 6 |
| 2 | Large scale, single-cell FRET-based glucose uptake measurements within heterogeneous populations. IScience, 2022, 25, 104023. | 4.1 | 5 |
| 3 | CHC22 clathrin mediates traffic from early secretory compartments for human GLUT4 pathway biogenesis. Journal of Cell Biology, 2020, 219, . | 5.2 | 32 |
| 4 | Building GLUT4 Vesicles: CHC22 Clathrinâ€™s Human Touch. Trends in Cell Biology, 2020, 30, 705-719. | 7.9 | 28 |
| 5 | Insulin stimulated GLUT4 translocation â€" Size is not everything!. Current Opinion in Cell Biology, 2020, 65, 28-34. | 5.4 | 39 |
| 6 | Characterisation of GLUT4 trafficking in HeLa cells: comparable kinetics and orthologous trafficking mechanisms to 3T3-L1 adipocytes. PeerJ, 2020, 8, e8751. | 2.0 | 16 |
| 7 | The deubiquitinating enzyme USP25 binds tankyrase and regulates trafficking of the facilitative glucose transporter GLUT4 in adipocytes. Scientific Reports, 2019, 9, 4710. | 3.3 | 16 |
| 8 | Proximity Ligation Assay to Study the GLUT4 Membrane Trafficking Machinery. Methods in Molecular Biology, 2018, 1713, 217-227. | 0.9 | 2 |
| 9 | SNARE phosphorylation: a control mechanism for insulin-stimulated glucose transport and other regulated exocytic events. Biochemical Society Transactions, 2017, 45, 1271-1277. | 3.4 | 13 |
| 10 | 16K Fractionation of 3T3-L1 Adipocytes to Produce a Crude GLUT4-Containing Vesicle Fraction. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot083683. | 0.3 | 3 |
| 11 | Complete Membrane Fractionation of 3T3-L1 Adipocytes. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot083691. | 0.3 | 6 |
| 12 | Alternate routes to the cell surface underpin insulin-regulated membrane trafficking of GLUT4. Journal of Cell Science, 2015, 128, 2423-9. | 2.0 | 26 |
| 13 | Characterization of VAMP isoforms in 3T3-L1 adipocytes: implications for GLUT4 trafficking. Molecular Biology of the Cell, 2015, 26, 530-536. | 2.1 | 22 |
| 14 | mVps45 knockdown selectively modulates VAMP expression in 3T3-L1 adipocytes. Communicative and Integrative Biology, 2015, 8, e1026494. | 1.4 | 3 |
| 15 | Studies of the regulated assembly of SNARE complexes in adipocytes. Biochemical Society Transactions, 2014, 42, 1396-1400. | 3.4 | 7 |
| 16 | Insulin Stimulates Syntaxin4 SNARE Complex Assembly via a Novel Regulatory Mechanism. Molecular and Cellular Biology, 2014, 34, 1271-1279. | 2.3 | 33 |
| 17 | Homotypic Vacuole Fusion in Yeast Requires Organelle Acidification and Not the V-ATPase Membrane Domain. Developmental Cell, 2013, 27, 462-468. | 7.0 | 52 |
| 18 | <i>Arabidopsis</i>Sec1/Munc18 Protein SEC11 Is a Competitive and Dynamic Modulator of SNARE Binding and SYP121-Dependent Vesicle Traffic Â. Plant Cell, 2013, 25, 1368-1382. | 6.6 | 66 |

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|---|---|---|---|
| 19 | Posttranslational Modifications of GLUT4 Affect Its Subcellular Localization and Translocation. International Journal of Molecular Sciences, 2013, 14, 9963-9978. | 4.1 | 33 |
| 20 | Endosomal sorting of GLUT4 and Gap1 is conserved between yeast and insulin-sensitive cells. Journal of Cell Science, 2013, 126, 1576-82. | 2.0 | 11 |
| 21 | Sorting of GLUT4 into its insulin-sensitive store requires the Sec1/Munc18 protein mVps45. Molecular Biology of the Cell, 2013, 24, 2389-2397. | 2.1 | 25 |
| 22 | The Thr224Asn mutation in the VPS45 gene is associated with the congenital neutropenia and primary myelofibrosis of infancy. Blood, 2013, 121, 5078-5087. | 1.4 | 70 |
| 23 | The Sec1/Munc18 Protein Vps45 Regulates Cellular Levels of Its SNARE Binding Partners Tlg2 and Snc2 in Saccharomyces cerevisiae. PLoS ONE, 2012, 7, e49628. | 2.5 | 13 |
| 24 | SNARE Proteins Underpin Insulinâ€Regulated GLUT4 Traffic. Traffic, 2011, 12, 657-664. | 2.7 | 49 |
| 25 | Tyrosine phosphorylation of Munc18c on residue 521 abrogates binding to Syntaxin 4. BMC Biochemistry, 2011, 12, 19. | 4.4 | 26 |
| 26 | Autoinhibition of SNARE complex assembly by a conformational switch represents a conserved feature of syntaxins. Biochemical Society Transactions, 2010, 38, 209-212. | 3.4 | 17 |
| 27 | Insulin-Regulated Trafficking of GLUT4 Requires Ubiquitination. Traffic, 2010, 11, 1445-1454. | 2.7 | 38 |
| 28 | Functional homology of mammalian syntaxin 16 and yeast Tlg2p reveals a conserved regulatory mechanism. Journal of Cell Science, 2009, 122, 2292-2299. | 2.0 | 25 |
| 29 | The N-terminal peptide of the syntaxin Tlg2p modulates binding of its closed conformation to Vps45p. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14303-14308. | 7.1 | 50 |
| 30 | Characterization of two distinct binding modes between syntaxin 4 and Munc18c. Biochemical Journal, 2009, 419, 655-660. | 3.7 | 23 |
| 31 | A role for the syntaxin N-terminus. Biochemical Journal, 2009, 418, e1-e3. | 3.7 | 17 |
| 32 | Vps45pâ€"a paradigm for Sec1p/Munc18 protein function. FASEB Journal, 2009, 23, 683.5. | 0.5 | 0 |
| 33 | Negative Regulation of Syntaxin4/SNAP-23/VAMP2-Mediated Membrane Fusion by Munc18c In Vitro. PLoS ONE, 2008, 3, e4074. | 2.5 | 37 |
| 34 | Cellular levels of the syntaxin Tlg2p are regulated by a single mode of binding to Vps45p. Biochemical and Biophysical Research Communications, 2007, 363, 857-860. | 2.1 | 7 |
| 35 | Syntaxin 16 controls the intracellular sequestration of GLUT4 in 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2006, 347, 433-438. | 2.1 | 45 |
| 36 | Molecular Dissection of the Munc18c/Syntaxin4 Interaction: Implications for Regulation of Membrane Trafficking. Traffic, 2006, 7, 1408-1419. | 2.7 | 106 |

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|---|---|---|---|
| 37 | The Sec1p/Munc18 protein Vps45p binds its cognate SNARE proteins via two distinct modes. Journal of Cell Biology, 2006, 173, 927-936. | 5.2 | 96 |
| 38 | The t-SNARE Syntaxin 4 Is Regulated during Macrophage Activation to Function in Membrane Traffic and Cytokine Secretion. Current Biology, 2003, 13, 156-160. | 3.9 | 109 |
| 39 | Recombinant expression of Munc18c in a baculovirus system and interaction with syntaxin4. Protein Expression and Purification, 2003, 31, 305-310. | 1.3 | 7 |
| 40 | GLUT4 Recycles via atrans-Golgi Network (TGN) Subdomain Enriched in Syntaxins 6 and 16 But Not TGN38: Involvement of an Acidic Targeting Motif. Molecular Biology of the Cell, 2003, 14, 973-986. | 2.1 | 192 |
| 41 | Tomosyn Interacts with the t-SNAREs Syntaxin4 and SNAP23 and Plays a Role in Insulin-stimulated GLUT4 Translocation. Journal of Biological Chemistry, 2003, 278, 35093-35101. | 3.4 | 79 |
| 42 | The Sec1p/Munc18 (SM) protein, Vps45p, cycles on and off membranes during vesicle transport. Journal of Cell Biology, 2003, 161, 691-696. | 5.2 | 39 |
| 43 | Regulated transport of the glucose transporter GLUT4. Nature Reviews Molecular Cell Biology, 2002, 3, 267-277. | 37.0 | 1,008 |
| 44 | Syntaxin 7 Complexes with Mouse Vps10p Tail Interactor 1b, Syntaxin 6, Vesicle-associated Membrane Protein (VAMP)8, and VAMP7 in B16 Melanoma Cells. Journal of Biological Chemistry, 2001, 276, 19820-19827. | 3.4 | 79 |
| 45 | <i>VPS21</i>Controls Entry of Endocytosed and Biosynthetic Proteins into the Yeast Prevacuolar Compartment. Molecular Biology of the Cell, 2000, 11, 613-626. | 2.1 | 99 |
| 46 | Traffic into the prevacuolar/endosomal compartment of Saccharomyces cerevisiae: A VPS45-dependent intracellular route and a VPS45-independent, endocytic route. European Journal of Cell Biology, 1998, 76, 43-52. | 3.6 | 60 |
| 47 | Retrograde Traffic Out of the Yeast Vacuole to the TGN Occurs via the Prevacuolar/Endosomal Compartment. Journal of Cell Biology, 1998, 142, 651-663. | 5.2 | 111 |
| 48 | Vacuole Biogenesis in <i>Saccharomyces cerevisiae</i> : Protein Transport Pathways to the Yeast Vacuole. Microbiology and Molecular Biology Reviews, 1998, 62, 230-247. | 6.6 | 255 |
| 49 | Two Separate Signals Act Independently to Localize a Yeast Late Golgi Membrane Protein through a Combination of Retrieval and Retention. Journal of Cell Biology, 1997, 136, 287-297. | 5.2 | 97 |
| 50 | The Membrane Protein Alkaline Phosphatase Is Delivered to the Vacuole by a Route That Is Distinct from the VPS-dependent Pathway. Journal of Cell Biology, 1997, 138, 531-545. | 5.2 | 149 |
| 51 | Localization of a protein a-tagged kex2 protein to the vacuole ofSaccharomyces cerevisiae allows rapid purification of vacuolar membranes. Yeast, 1995, 11, 201-210. | 1.7 | 9 |