## SPECIAL TOPIC: Calcium signaling

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1. Editorial

### [The hills and valleys of calcium signaling](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5098-2D2&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=bz73odCOagR3g5MeAOhtVpHjAtIujY5mF6HM6JRaG08&e=)

[Michael X. Zhu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Michael-2BX.-2BZhu-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=RDu1Wzv6yAgZuPxn6hS1tGIpGuzFFpj_xWEGB17JFjI&e=), [Biguang Tuo](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Biguang-2BTuo-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=s6k1HYDd6vl2pNGRsrUU9C5eFFjjDu715PqoVXe9WBI&e=), [Jenny J. Yang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jenny-2BJ.-2BYang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=QCdyCq8Fk0uZ8aMUDi-JZNsHyuF8ayIrHm30VIp1OXc&e=) Pages 743-748

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1. Review

### [From contraction to gene expression: nanojunctions of the sarco/endoplasmic reticulum deliver site- and function-specific calcium signals](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5071-2D0&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=rHSpPbm1Ha4XdhHIKCRoUfu42BZZ0-jMDSafOaBhRQc&e=)

[A. Mark Evans](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522A.-2BMark-2BEvans-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=mPqmLFrHUzb8kGcEZ-g8LabqfQvKUlp993TOWlHVILg&e=), [Nicola Fameli](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Nicola-2BFameli-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=Aew4wgIyLnnFHSPoSRGOiyR4ZQhQay4nbGvMBjiXpbE&e=), [Oluseye A. Ogunbayo](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Oluseye-2BA.-2BOgunbayo-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=oHSIWG1B041WE-n-5EtWw9As9pWJC7rr9gyD3PNZyKw&e=)…Pages 749-763

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1. Review

### [The heterogeneity of store-operated calcium entry in melanoma](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5087-2D5&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=iy0IVRL4KpwEHawOzgJIhVUM22G1aNiKQAyhh4HiNLc&e=)

[Robert Hooper](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Robert-2BHooper-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=7N6XmbRCdkz6J-R9XOa7Pj7L8cn17HBkeMc894t0bww&e=), [M. Raza Zaidi](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522M.-2BRaza-2BZaidi-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=KzH-ptlv-l58LX9OCoc5bMmF4_WsRyhNE8fbtWv9DpA&e=), [Jonathan Soboloff](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jonathan-2BSoboloff-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=B-of3K2OzZdnHzpLWeo6YaxhqFbIPdGseBCQ1Hy_990&e=) Pages 764-769

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1. Review

### [Mitochondrial Ca2+ uptake in skeletal muscle health and disease](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5089-2D3&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=ea4a5uHUWANgEd3Gp_6G1trgXbDDqBy1M-NZd2t5WeY&e=)

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1. Review

### [Regulation of lysosomal ion homeostasis by channels and transporters](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5090-2Dx&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=L_yGLVeuoIll_inxXFeuJ1X_xTUK2Tdc_q6N6MzDj_A&e=)

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1. Review

### [Binding of transition metals to S100 proteins](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5088-2D4&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=Z74GpZ6yt9RH1g1QXXHfx6xkyZbQVukoh2zQpy7N9Hw&e=)

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1. Research Paper

### [Optopharmacological control of TRPC channels by coumarin-caged lipids is associated with a phototoxic membrane effect](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5095-2D5&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=5Dq5LMsg_JmENVcganxpWWGjIjIQsyPAyEL95N2Ax8M&e=)

[Oleksandra Tiapko](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Oleksandra-2BTiapko-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=9ntLJTnUMSCu32tjVpFVWi4D4_g8Q5Qzm56TmU2VjMQ&e=), [Bernadett Bacsa](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Bernadett-2BBacsa-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=r0YKv-G6J0PHCh4i5MDn6_k4TUxEPVFh5ptpI4176To&e=), [Gema Guedes de la Cruz](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Gema-2BGuedes-2Bde-2Bla-2BCruz-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=RYQ-9uAy-8rRbKK0bSdT4RJtsSa46lw5SUdzi4WmzR8&e=)…Pages 802-810

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1. Research Paper

### [Expression and reconstitution of the bioluminescent Ca2+ reporter aequorin in human embryonic stem cells, and exploration of the presence of functional IP3 and ryanodine receptors during the early stages of their differentiation into cardiomyocytes](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D016-2D5094-2D6&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=0Bv2lqNH8aihF4Jufvf_gOObvLq8bt9c0HvP2URYqNM&s=yZnnvmLoHgxa1z8Fkv_guroNqT0pMFafL-fmYK3KAgc&e=)

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