## SPECIAL TOPIC: Calcium signaling

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1. Editorial

### [Calcium ion as cellular messenger](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4795-2Dy&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=og2QNybFm_ZnMjtXE8_btePerVi5fguT-7zST6LbkmA&e=)

[Jie Zheng](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jie-2BZheng-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=2FQdQzpQmBKYHdpJS96pyMP3mNSP6iLAbcUDSjVx_CE&e=), [XuHui Zeng](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522XuHui-2BZeng-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=Uac_wNL8b8khj0ev97T9Kt71NNeHVXutFiPBMip2rN4&e=), [ShiQiang Wang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522ShiQiang-2BWang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=lGYWFf9-FmNI-QoGxfj5e87YoJ4263kpz9XR5e0lySY&e=) Pages 1-5

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1. Research Paper

### [Function of Ca2+-/calmodulin-dependent protein kinase IV in Ca2+-stimulated neuronal signaling and behavior](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4781-2D4&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=gpA_f9_ZDbaA_knj6DeTqUPvPU36FMBRU5cB9u4Liok&e=)

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1. Review

### [The calcium sensing receptor: from calcium sensing to signaling](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4779-2Dy&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=PS0mnGJ9U_nSWtSiIv_pDhNK_-mGGHyjSY5kv54CW1c&e=)

[Chen Zhang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Chen-2BZhang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=LBDADGEU683rfYmVYu9KRupAqHgH2-y5E5ff9UUut4o&e=), [Cassandra Lynn Miller](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Cassandra-2BLynn-2BMiller-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=6aMdJoMcw59w7zxqLcBDSxK1cAsMCNRpDmiS0cnycPg&e=), [Edward M. Brown](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Edward-2BM.-2BBrown-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=q4XFz5ns7k9gq9ScaEEQGgCenn0JjU_8r2TbKh9riJc&e=)…Pages 14-27

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1. Review

### [RGK regulation of voltage-gated calcium channels](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4788-2Dx&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=6SOVXsz4S_ttQ1ZW052XaFb1EQi7oaBT3xaeXdYpr8U&e=)

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1. Review

### [Canonical transient receptor potential 4 and its small molecule modulators](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4772-2D5&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=7GyFaovpXZN2iHdvlTUbMcbtHg5lD9alBIQ-JSBVJQI&e=)

[Jie Fu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jie-2BFu-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=17lNI4pExphVk4gMQKYOHkhrhoG-LLcXPtmMpjRdDGk&e=), [ZhaoBing Gao](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522ZhaoBing-2BGao-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=lN8RZZ6WOMogCkktA2At2xjNgdgK_3ypGg_XAu0CORY&e=), [Bing Shen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Bing-2BShen-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=jjAu9Y6Ou-1mD9WZ0PYvNcDEsEjsX6KBTYk_0RVgG_Q&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=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=PbFC4wmotLx_eJYsyKgAGaZ6egXT4MAf0yJobzRRpIE&e=) Pages 39-47

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1. Review

### [Open Sesame: treasure in store-operated calcium entry pathway for cancer therapy](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4774-2D3&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=KXegVxm3lNOW_VLvfoUwz-zF7-k8Bc7S1JkE2ZnFH-o&e=)

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1. Review

### [Arrhythmogenic mechanisms in ryanodine receptor channelopathies](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4778-2Dz&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=DiOtNSd06P1gxoKpDBr5bYOZOxD7egM5jT6gXzh5R34&e=)

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1. Review

### [Life after the birth of the mitochondrial Na+/Ca2+ exchanger, NCLX](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4789-2D9&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=cxLQQJhD5dYHWtX-VSYq2JjZLbwbmjdxEgLj4IYvFwA&e=)

[Lulia I. Nita](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Lulia-2BI.-2BNita-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=5PmnT8aAFztp1QbvDZwFpXawNyHSKgeHCCKvnuN__1o&e=), [Michal Hershfinkel](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Michal-2BHershfinkel-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=k_sKOsAyoMfaKPrGLJUKV19iIa6cldHtbeBB2OppuKs&e=), [Israel Sekler](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Israel-2BSekler-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=VRMou06pyG-sXRfgIZILVt6eTY0I9xoFuu7oBb_ujS0&e=) Pages 59-65

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### [Membrane protein reconstitution for functional and structural studies](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4769-2D0&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=aCOgJiCdk-GPrMIBMGYLTri9Vl0NyiLl6E2O5pjwkdo&e=)

[LiGuo Wang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522LiGuo-2BWang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=Kx_cPxX8UVwpKUK_7lLmKUJVAXvwvL5LscSlgugIDTs&e=), [LiGe Tonggu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522LiGe-2BTonggu-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=3ObfowWCTtxe7wnXk0B_wgkQOW4ccTPZ0HjLSqPAlL8&s=fjXp9iPeJTmUExAtjyuPvDLBxRh7LMicbttAPipiEcg&e=) Pages 66-74

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