SPECIAL TOPIC: Model animals and their applications

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1. Editorial

### [Model animals and their applications](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4842-2D3&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=bMnsIprjh1h0blDF_GBGACrD7geHIaSMzBOo85VA1dc&e=)

[Xiang Gao](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Xiang-2BGao-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=z98EEMvhFaRFr-HRpCxJjfvoqblEE5lXdgiJxa063Z8&e=) Pages 319-320

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1. Review

### [Transcriptional regulatory circuits controlling muscle fiber type switching](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4833-2D4&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=LJV8U7URjexjR8Wv6SwkTHebBD5wukOsGEeVjA2ljLE&e=)

[Jing Liu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Jing-2BLiu-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=ncC49K7edk5E5RUqW-NTcEFKWEfr-3zRZPm4L31yOak&e=), [XiJun Liang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522XiJun-2BLiang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=xripLfYd_uhMIdlZv2cb2nGXnvW9YUVECdogldzcUJI&e=), [ZhenJi Gan](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522ZhenJi-2BGan-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=ySH-qoofirLATpUd0R-qMIAUg4StLoPYcb6ToWJIxhM&e=) Pages 321-327

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1. Review

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[Na Xu](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Na-2BXu-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=OSin_-36FHfRXa16iViIH_0siGghrL-J5MrsX2qywn0&e=), [Ning Shen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Ning-2BShen-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=NuVkIkrDwsLbji7eeuxyDPMq9AxSrQ8l2fPqhuSBkeg&e=), [XiuXing Wang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522XiuXing-2BWang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=VMCjHvtXfZ0Xd_3a98wwf4RIzWQBQtVLOO8Szm_b6rs&e=), [Shan Jiang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Shan-2BJiang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=0gkygBhg1R5y3zkrFlr5Pxa6AEWNmwRZMn2IuWkOwMo&e=), [Bin Xue](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Bin-2BXue-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=3BqRmiOnpNLTcVh1TT0voMKHaqisQhAPNLCGSHq2dEo&e=)…Pages 328-335

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1. Review

### [Germ layer formation during Xenopus embryogenesis: the balance between pluripotency and differentiation](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4799-2D2&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=usR8O_jfujaGuP5TarlT1uceIK6ciwVMNHFcwvhGsgE&e=)

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1. Review

### [Using zebrafish as the model organism to understand organ regeneration](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4838-2Dz&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=m4ByIZGFFLULQP8LHtcCx27Druf5qzrO8l1OhrzCNS4&e=)

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1. Review

### [Molecular mechanisms of dietary restriction in aging—insights fromCaenorhabditis elegans research](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4824-2D5&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=dY19RgvCipoUhUdkLR43HOuIfPvq2V9itf_yFXx5lXk&e=)

[JianFeng Lan](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522JianFeng-2BLan-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=0DjMNBH25ZHDBOPGSSoAdQSpaEsnPYa-aabc2TAuPis&e=), [Xuan Zhang](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Xuan-2BZhang-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=g93eEPdIBwYsDBb1dkN1wPenqZ_G4ER4CLKHFU7INpE&e=), [Di Chen](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_search-3Ffacet-2Dcreator-3D-2522Di-2BChen-2522&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=T9aHOBzRZpm9G0jFXdu_Orv9VWkVbKZBSVu0PssGokI&e=) Pages 352-358

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1. Research Paper

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1. Research Paper

### [Inactivation of Cipc alters the expression of Per1 but not circadian rhythms in mice](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4828-2D1&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=_7BoPtCzkfiyc2IAqNIIezwgkFmlWP8k_c8U3KvwDtE&e=)

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1. Research Paper

### [A bacterial artificial chromosome transgenic mouse model for visualization of neurite growth](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D015-2D4820-2D9&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=bj5JlMy6D61RVXLOL3EQzKAFwSqJQZtSfiIPGJOcysk&e=)

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1. Research Paper

### [In vivo RNAi screen identifies candidate signaling genes required for collective cell migration in Drosophila ovary](https://urldefense.proofpoint.com/v2/url?u=https-3A__link.springer.com_article_10.1007_s11427-2D014-2D4786-2Dz&d=DwMFbw&c=ZQs-KZ8oxEw0p81sqgiaRA&r=rOMURTZ4fslq9dKzVxltN4xNU-D2Ru1wiL30akyNmwk&m=KR4mMN7T-QLs-YqludPSf1yiQKn3q4DufKuYiJW2AhU&s=qyfadXxBX4imRuEZrXjrARdDJanEOou5Xp4fwRTdGd4&e=)

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